

All India Mock: IBPS RRB Clerk Mains 2022 (21st September) PDF

Directions (1-5): Study the following information carefully and answer the questions given below-
निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन करें और नीचे दिए गए प्रश्नों के उत्तर दें-

Eight persons P, Q, R, S, T, U, V and W sit around a square table in such a way that four of them sit at four corners, who face towards center, and rest four, who sits at the middle of the side, face outside. They live in a same building but on three different floor- 1st, 2nd and 3rd. At least two persons live on same floor but not more than three persons live on the same floor.

R sits second to the right of the one who lives on second floor. Only two persons sit between R and V who lives on second floor. Q lives on an odd numbered floor and sits third to the left of the one who sits second to the left of W. R sits second to the left of the one who lives on first floor. T and W face each other and lives on the same numbered floor. U sits second to the right of the one who lives on first floor and immediate right of the one who lives on second floor. T lives on an odd numbered floor. P live on third floor and is not an immediate neighbour of R. U lives on an even numbered floor.

आठ व्यक्ति P, Q, R, S, T, U, V और W एक वर्गाकार मेज के चारों ओर इस प्रकार बैठे हैं कि उनमें से चार, चार कोनों पर बैठे हैं, जिनका मुख केंद्र की ओर है। शेष चार, जो किनारों के मध्य में बैठे हैं, वे बाहर की ओर उन्मुख हैं। वे एक ही इमारत में रहते हैं लेकिन तीन अलग-अलग मंजिलों- पहली, दूसरी और तीसरी मंजिल पर रहते हैं। एक ही मंजिल पर कम से कम दो व्यक्ति रहते हैं लेकिन एक ही मंजिल पर तीन से अधिक व्यक्ति नहीं रहते हैं।

R, दूसरी मंजिल पर रहने वाले व्यक्ति के दायें से दूसरे स्थान पर बैठा है। दूसरी मंजिल पर रहने वाले R और V के मध्य केवल दो व्यक्ति बैठे हैं। Q एक विषम संख्या वाली मंजिल पर रहता है और उस व्यक्ति के बाएं से तीसरे स्थान पर बैठा है जो W के बाएं से दूसरे स्थान पर बैठा है। R उस व्यक्ति के बाएं से दूसरे स्थान पर बैठा है जो पहली मंजिल पर रहता है। T और W एक दूसरे की ओर उन्मुख हैं और समान संख्या वाली मंजिल पर रहते हैं। U उस व्यक्ति के दायें से दूसरे स्थान पर बैठा है जो पहली मंजिल पर रहता है और दूसरी मंजिल पर रहने वाले व्यक्ति के ठीक दायें बैठा है। T एक विषम संख्या वाली मंजिल पर रहता है। P तीसरी मंजिल पर रहता है और R का निकटतम पड़ोसी नहीं है। U एक सम संख्या वाली मंजिल पर रहता है।

Q1. Who among the following sits third to the left of T?
निम्नलिखित में से कौन T के बायें से तीसरे स्थान पर बैठा है?

- (a) W
 - (b) P
 - (c) Q
 - (d) V
 - (e) None of these
- इनमें से कोई नहीं

Q2. Who among the following person does not live on 2nd floor?
निम्नलिखित में से कौन दूसरी मंजिल पर नहीं रहता है?

- (a) U
 - (b) T
 - (c) S
 - (d) R
 - (e) Both (b) and (d)
- (b) और (d) दोनों

Q3. Who among the following sits opposite to S?
निम्नलिखित में से कौन S के विपरीत बैठा है?

- (a) R
 - (b) V
 - (c) U
 - (d) Q
 - (e) None of these
- इनमें से कोई नहीं

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Q4. Who among the following sits third to the right of the one who sits second to the left of Q?

निम्नलिखित में से कौन Q के बायें से दूसरे स्थान पर बैठे व्यक्ति के दायें से तीसरे स्थान पर बैठा है?

- (a) U
 - (b) W
 - (c) V
 - (d) P
 - (e) None of these
- इनमें से कोई नहीं

Q5. Who among the following sits immediate left of W?

निम्नलिखित में से कौन W के ठीक बायें बैठा है?

- (a) U
 - (b) V
 - (c) S
 - (d) P
 - (e) None of these
- इनमें से कोई नहीं

Directions (6-8): In each question below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the give:n conclusions logically follows from the given statements, disregarding commonly known facts.

नीचे दिए गए प्रत्येक प्रश्न में कुछ कथन और उसके बाद कुछ निष्कर्ष दिए गए हैं। आपको दिए गए कथनों को सत्य मानना है, भले ही वे सर्वज्ञात तथ्यों से भिन्न प्रतीत होते हों। सभी निष्कर्षों को पढ़ें और फिर तय करें कि दिए गए निष्कर्षों में से कौन सा निष्कर्ष सामान्य रूप से ज्ञात तथ्यों की परवाह किए बिना दिए गए कथनों का तार्किक रूप से अनुसरण करता है।

Q6. Statements: \कथन:

Only a few Game are Good.

केवल कुछ ही गेम अच्छा है।

No Play is Good.

कोई भी प्ले अच्छा नहीं है।

Some Game is Habit.

कुछ गेम आदत है।

Conclusions: \निष्कर्ष:

I. All Good is Habit is a possibility.

सभी अच्छा के आदत के होने की संभावना है।

II. Some Game is Play.

कुछ गेम प्ले है।

- (a) Only I follows
- केवल I अनुसरण करता है
- (b) Both I and II follow
- I और II दोनों अनुसरण करते हैं
- (c) Only II follows
- केवल II अनुसरण करता है

(d) None follows

कोई भी अनुसरण नहीं करता है

(e) Either I or II follows

या तो I या II अनुसरण करता है

Q7. Statements: \कथन:

Only a few Cool is Hot.

केवल कुछ कूल हॉट है।

Only a few Hot is coffee.

केवल कुछ हॉट कॉफी हैं।

Only Cool is Shake

केवल कूल शेक है।

Conclusions: \निष्कर्ष:

I. All coffee can be Shake.

सभी कॉफी शेक हो सकते हैं।

II. All Hot is Cool is a possibility

सभी हॉट के कूल होने की संभावना है।

(a) Only I follows

केवल I अनुसरण करता है

(b) Both I and II follow

I और II दोनों अनुसरण करते हैं

(c) Only II follows

केवल II अनुसरण करता है

(d) Either I or II follows

या तो I या II अनुसरण करता है

(e) None follows

कोई भी अनुसरण नहीं करता है

Q8. Statements: \कथन:

Only Garden is Flower.

केवल बगीचा, फूल है।

No Garden is Desert.

कोई बगीचा मरुस्थल नहीं है।

Some Desert are Spring.

कुछ मरुस्थल, बसंत है।

Conclusions: \निष्कर्ष:

I. Some Spring is Garden

कुछ बसंत बगीचा है।

II. Some Garden is not Spring.

कुछ बगीचा बसंत नहीं है।

(a) Only II follows

केवल II अनुसरण करता है

(b) Both I and II follow

I और II दोनों अनुसरण करते हैं

(c) Only I follows

केवल I अनुसरण करता है

(d) Either I or II follows

या तो I या II अनुसरण करता है

(e) None follows

कोई भी अनुसरण नहीं करता है

Directions (9-10): In the following questions, the symbols @, #, %, \$ and © are used with the following meaning as illustrated below-

निम्नलिखित प्रश्नों में, प्रतीकों @, #, %, \$ और © का प्रयोग निम्नलिखित अर्थ के साथ किया गया है जैसा कि नीचे दिखाया गया है-

'P#Q' means 'P is neither greater than nor equal to Q'

'P#Q' का अर्थ है 'P, Q से न तो बड़ा है और न ही बराबर है'

'P©Q' means 'P is neither equal to nor smaller than Q'

'P©Q' का अर्थ है 'P, Q के न तो बराबर है और न ही छोटा है'

'P%Q' means 'P is neither smaller than nor greater than Q'

'P%Q' का अर्थ है 'P, Q से न तो छोटा है और न ही बड़ा है'

'P\$Q' means 'P is not smaller than Q'

'P\$Q' का अर्थ है 'P, Q से छोटा नहीं है'

'P@Q' means 'P is not greater than Q'

'P@Q' का अर्थ है 'P, Q से बड़ा नहीं है'

Now in each of the following questions assuming the given statement to be true, find which of the three conclusions I, II and III given below them is/are definitely true and give your answer accordingly.

अब निम्नलिखित में से प्रत्येक प्रश्न में दिए गए कथन को सत्य मानते हुए, ज्ञात कीजिए कि उनके नीचे दिए गए तीन निष्कर्ष I, II और III में से कौन निश्चित रूप से सत्य है और तदनुसार अपना उत्तर दें।

Q9. Statements / कथन :

A # E, G % C, E \$ G, C @ D

Conclusions / निष्कर्ष:

I. D © A

II. G % D

III. D # G

(a) None is true

कोई भी सत्य नहीं है

(b) Only I is true

केवल I सच है

(c) Only III is true

केवल III सत्य है

(d) Either I or II are true

या तो I या II सत्य हैं

(e) All are true

सभी सत्य हैं

Q10. Statements / कथन:

P @ S, S % Y, T © Y

Conclusions / निष्कर्ष:

I. T © S

II. P # T

III. Y \$ P

(a) Only I and III are true

केवल I और III सत्य हैं

(b) Only II and III are true

केवल II और III सत्य हैं

(c) Only I and II are true

केवल I और II सत्य हैं

(d) All are true

सभी सत्य हैं

(e) None of these

इनमें से कोई नहीं

Directions (11-14): Study the following information carefully and answer the questions given below-

निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन करें और नीचे दिए गए प्रश्नों के उत्तर दें-

Six children are sitting around a hexagonal table, in such a way that some are facing inside while some are facing outside. Each of them has a different number of toys i.e 9, 11, 13, 16, 25, and 26. Each of them sits at each corner of the table.

P sits second to the right of Q. S has 10 more toys to P who is an immediate neighbor of S. U sits second to the right of T who has 2 toys more than U. R neither an immediate neighbor of Q nor P. The one who has 16 toys is an immediate neighbor of T. The difference between the number of toys of immediate neighbours of T is not more than 7. R has number of toys which is square of a number. Immediate neighbors of P are facing same directions. The difference between the number of toys between P and the one who sits opposite to P is 5. R faces T.

छह बच्चे एक षट्कोणीय मेज के चारों ओर इस प्रकार बैठे हैं कि कुछ का मुख अंदर की ओर है जबकि कुछ का मुख बाहर की ओर है। उनमें से प्रत्येक के पास अलग-अलग संख्या में खिलौने हैं अर्थात् 9, 11, 13, 16, 25 और 26। उनमें से प्रत्येक मेज के प्रत्येक कोने पर बैठता है।

P, Q के दायें से दूसरे स्थान पर बैठा है। S के पास P से 10 अधिक खिलौने हैं, जो S का निकटतम पड़ोसी है। U, T के दायें से दूसरे स्थान पर बैठता है, जिसके पास U से 2 खिलौने अधिक हैं। R न तो Q का निकटतम पड़ोसी है और न ही P का। वह व्यक्ति जिसके पास 16 खिलौने हैं, T का निकटतम पड़ोसी है। T के निकटतम पड़ोसियों के खिलौनों की संख्या के बीच का अंतर 7 से अधिक नहीं है। R के पास खिलौनों की संख्या, किसी एक संख्या का वर्ग है। P के निकटतम पड़ोसियों का मुख समान दिशाओं की ओर है। P और P के विपरीत बैठने वाले के बीच खिलौनों की संख्या के बीच का अंतर 5 है। R का मुख T की ओर है।

Q11. Who among following has 11 toys?

निम्नलिखित में से किसके पास 11 खिलौने हैं?

- (a) U
- (b) Q
- (c) T
- (d) P
- (e) None of these

इनमें से कोई नहीं

Q12. Who among the following sits third to the right of T?

निम्नलिखित में से कौन T के दायें से तीसरे स्थान पर बैठा है?

- (a) T
- (b) R
- (c) Q
- (d) S
- (e) None of these

इनमें से कोई नहीं

Q13. What is the different between the number of toys S and Q?

S और Q के खिलौनों की संख्या में कितना अंतर है?

- (a) 10
- (b) 11
- (c) 17
- (d) 15
- (e) None of these

इनमें से कोई नहीं

Q14. Who among the sits opposite to S?

कौन S के विपरीत बैठा है?

- (a) T
- (b) R
- (c) U
- (d) Q
- (e) None of these

इनमें से कोई नहीं

Directions (15-16): Study the following information carefully and answer the given questions:

निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन करें और दिए गए प्रश्नों के उत्तर दें:

There are nine members i.e. P, Q, R, S, T, U, V, W, and X in a family, among them only 3 are married couples. P is grandfather of U and V. X has only 2 children. R is son-in-law of X. W is son of P and husband of S. U is niece of R. X is grandmother of R's daughter. W has a paternal Uncle. Q is not male. U is not sibling of V.

एक परिवार में नौ सदस्य अर्थात P, Q, R, S, T, U, V, W और X हैं, उनमें से केवल 3 विवाहित युगल हैं। P, U और V का ग्रैंड फादर है। X के केवल 2 बच्चे हैं। R, X का सन-इन-लॉ है। W, P का पुत्र है और S का पति है। U, R की नीस है। X, R की पुत्री की ग्रैंड मदर है। W का एक पैतृक चाचा है। Q पुरुष नहीं है। U, V का सहोदर (भाई-बहन) नहीं है।

Q15. How is Q related to S?

Q, S से किस प्रकार संबंधित है?

- (a) Brother-in-law

ब्रदर-इन-लॉ

- (b) Sister-in-law

सिस्टर-इन-लॉ

- (c) Can't be determined

निर्धारित नहीं किया जा सकता

- (d) Brother

भाई

- (e) None of these

इनमें से कोई नहीं

Q16. How is V related to P's son?

V, P के पुत्र से किस प्रकार संबंधित है?

- (a) Nephew

नेफ्यू

- (b) Niece

नीस

- (c) Can't be determined

निर्धारित नहीं किया जा सकता

- (d) Daughter

पुत्री

- (e) None of these

इनमें से कोई नहीं

Directions (17-20): Study the following alphanumeric series carefully and answer the questions given below:

निम्नलिखित अक्षरांकीय श्रृंखला का ध्यानपूर्वक अध्ययन करें और नीचे दिए गए प्रश्नों के उत्तर दें:

A Z 1 P % K & M 7 9 @ 8 X E 5 B \$ * G S 4 6 R

© U # N Q 2 € H 3

STEP I- The alphabets that are immediately followed by a symbol and immediately preceded by a number are arranged in the end of the series in alphabetical order.

(They are arranged just after 3)

जिन वर्णों/अक्षरों के ठीक बाद एक प्रतीक आता है और ठीक पहले एक संख्या होती है, उन्हें श्रृंखला के अंत में वर्णानुक्रम में व्यवस्थित किया जाता है। (उन्हें 3 के ठीक बाद व्यवस्थित किया गया है)

STEP II- The symbols that are immediately preceded and immediately followed by the alphabets are arranged between 4 and 6.

चरण II- जिन प्रतीकों के ठीक पहले और ठीक बाद में वर्ण/अक्षर आते हैं, उन्हें 4 और 6 के बीच व्यवस्थित किया जाता है।

STEP III- The numbers that are immediately followed by a symbol is arranged between P and R in ascending order.

चरण III- जिन संख्याओं के ठीक बाद एक प्रतीक आता है उन्हें P और R के बीच आरोही क्रम में व्यवस्थित किया जाता है।

(STEP II is applied after STEP I and STEP III is applied after STEP II)

(चरण II चरण I के बाद लागू होता है और चरण III चरण II के बाद लागू होता है)

Q17. Which of the following element is 9th to the right of the element which is 16th from the left end in step II?

निम्नलिखित में से कौन सा तत्व चरण II में बाएं छोर से 16वें तत्व के दायें से नौवां है?

- (a) ©
 - (b) 2
 - (c) Q
 - (d) H
 - (e) None of these
- इनमें से कोई नहीं

Q18. Which of the element is 8th to the left of the element that is 10th from the right end in step III?

कौन सा तत्व चरण III में दायें छोर से 10वें तत्व के बायें से आठवां है?

- (a) &
 - (b) 9
 - (c) S
 - (d) 4
 - (e) None of these
- इनमें से कोई नहीं

Q19. If all the numbers are eliminated from the series in step I, then which of the following element is 15th from the left end?

यदि चरण I में श्रृंखला से सभी संख्याओं को हटा दिया जाता है, तो निम्नलिखित में से कौन सा तत्व बाएं छोर से 15वां है?

- (a) ©
 - (b) U
 - (c) #
 - (d) N
 - (e) None of these
- इनमें से कोई नहीं

Q20. What is the multiplication of the element that is 7th from the right in step II and the element that is 8th from the left in step III?

चरण II में दायें से सातवें और चरण III में बायें से आठवें तत्व का गुणन क्या है?

- (a) 10
 - (b) 15
 - (c) 8
 - (d) 6
 - (e) None of these
- इनमें से कोई नहीं

Directions (21-24): Study the information carefully and answer the questions given below.

जानकारी का ध्यानपूर्वक अध्ययन करें और नीचे दिए गए प्रश्नों के उत्तर दें।

Eight person live in an eight-storey building in a such a way that ground floor is number 1 and topmost floor is number 8. Each of them likes different fruits.

Three persons live between the one who likes Pineapple and P who lives on an odd number floor. The one who likes Grapes lives just above P's floor. Three persons live between R and T who likes Papaya and both of them live on an even number floor. W likes Pomegranate and lives one of the odd number floors. One floor is between the one who likes Pineapple and U, who does not live just below or above floor of the one who likes Grapes. Four persons live between W and the one who likes Plum. W does not live at 7th floor. R lives above the one who likes Pineapple. The one who likes Guava lives at odd number floor. S neither lives on even numbered floor nor likes Pear. U does not like Guava. V lives above Q and below the one who likes peach. V does not like Pineapple. Q does not live on an odd number floor.

आठ व्यक्ति एक आठ मंजिला इमारत में इस प्रकार रहते हैं कि भूतल की संख्या 1 है और सबसे ऊपरी मंजिल की संख्या 8 है। उनमें से प्रत्येक को अलग-अलग फल पसंद हैं।

अनानास पसंद करने वाले व्यक्ति और विषम संख्या वाली मंजिल पर रहने वाले P के बीच तीन व्यक्ति रहते हैं। वह व्यक्ति जिसे अंगूर पसंद है वह P के तल के ठीक ऊपर रहता है। R और T जो पपीता पसंद करता है, के मध्य तीन व्यक्ति रहते हैं और वे दोनों एक सम संख्या वाली मंजिल पर रहते हैं। W को अनार पसंद है और वह विषम संख्या वाली मंजिलों में से एक में रहता है। एक मंजिल अनानास पसंद करने वाले व्यक्ति और U के बीच है, जो अंगूर पसंद करने वाले व्यक्ति के ठीक नीचे या ऊपर नहीं रहता है। W और आलूबुखारा पसंद करने वाले के बीच चार व्यक्ति रहते हैं। W सातवें तल पर नहीं रहता है। R उस व्यक्ति के ऊपर रहता है जिसे अनानास पसंद है। अमरूद पसंद करने वाला व्यक्ति विषम संख्या वाली मंजिल पर रहता है। S न तो सम संख्या वाली मंजिल पर रहता है और न ही नाशपाती पसंद करता है। U को अमरूद पसंद नहीं है। V, Q के ऊपर और आड़ू पसंद करने वाले के नीचे रहता है। V को अनानास पसंद नहीं है। Q विषम संख्या वाली मंजिल पर नहीं रहता है।

Q21. Who among the following person likes Pear?

निम्नलिखित में से कौन नाशपाती पसंद करता है?

- (a) U
- (b) V
- (c) Q
- (d) R
- (e) None of these

इनमें से कोई नहीं

Q22. Who among the following lives just above S's floor?

निम्नलिखित में से कौन S के ठीक ऊपर वाली मंजिल में रहता है?

- (a) W
- (b) P
- (c) V
- (d) R
- (e) None of these

इनमें से कोई नहीं

Q23. How many persons live between R and Q?

R और Q के मध्य कितने व्यक्ति रहते हैं?

- (a) None
कोई नहीं
- (b) One
एक
- (c) Two
दो
- (d) More than three
तीन से अधिक
- (e) Three
तीन

Q24. Which of the following statement is true about R?

- (a) R likes Plum
R आलूबुखारा पसंद करता है
- (b) R lives immediate above V's floor
R, V की मंजिल के ठीक ऊपर रहता है
- (c) More than four persons live between R and S
R और S के बीच चार से अधिक व्यक्ति रहते हैं
- (d) R lives on an odd number floor
R एक विषम संख्या वाली मंजिल पर रहता है
- (e) Both (a) and (d)
(a) और (d) दोनों

Directions (25-27): Each of the questions below consists of question and two statements numbered I, and II given below it.

You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer.

नीचे दिए गए प्रत्येक प्रश्न में प्रश्न और उसके नीचे दो कथन संख्या I और II दिए गए हैं। आपको यह तय करना है कि कथनों में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त है या नहीं। दोनों कथनों को पढ़िए और उत्तर दीजिए।

Q25. On which day of the year did P celebrate his marriage anniversary?

P ने वर्ष के किस दिन अपनी शादी की सालगिरह मनाई?

I. P's sister correctly remembers that his marriage anniversary is before 20th but after 17th of January.

P की बहन को ठीक से याद है कि उसकी शादी की सालगिरह 20 तारीख से पहले लेकिन 17 जनवरी के बाद है।

II. P's brother remembers that his anniversary is after 18th but before 21st of January.

P के भाई को याद है कि उसकी सालगिरह 18 तारीख के बाद लेकिन 21 जनवरी से पहले है।

(a) If the data in statement I alone are sufficient to answer the question while the data in statement II are not sufficient to answer the question.

यदि कथन I में दिया गया आंकड़ा अकेले प्रश्न का उत्तर देने के लिए पर्याप्त है जबकि कथन II में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(b) If the data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

यदि कथन II में दिया गया आंकड़ा अकेले प्रश्न का उत्तर देने के लिए पर्याप्त है जबकि कथन I में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

यदि डेटा अकेले कथन I या अकेले कथन II में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त है।

(d) If the data even in both statement I and statement II are not sufficient to answer the question.

यदि कथन I और कथन II दोनों में भी दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(e) If the data in both statement I and statement II are sufficient to answer the question.

यदि कथन I और कथन II दोनों में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त है।

Q26. Who among P, Q, R, S and T is the heaviest?

P, Q, R, S और T में से सबसे भारी कौन है?

I. Weight of Q is 77kg, which is less than the sum of the weights of P and R. Both S and R weighs less than 50kg.

Q का वजन 77kg है, जो P और R के वजन के योग से कम है। S और R दोनों का वजन 50kg से कम है।

II. P's weight is more than that of both S and T but less than that of R who is the second heaviest.

P का वजन S और T दोनों से अधिक है लेकिन R से कम है जो दूसरा सबसे भारी है।

(a) If the data in statement I alone are sufficient to answer the question while the data in statement II are not sufficient to answer the question.

यदि कथन I में दिया गया आंकड़ा अकेले प्रश्न का उत्तर देने के लिए पर्याप्त है जबकि कथन II में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(b) If the data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

यदि कथन II में दिया गया आंकड़ा अकेले प्रश्न का उत्तर देने के लिए पर्याप्त है जबकि कथन I में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

यदि डेटा अकेले कथन I या अकेले कथन II में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त है।

(d) If the data even in both statement I and statement II are not sufficient to answer the question.

यदि कथन I और कथन II दोनों में भी दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(e) If the data in both statement I and statement II are sufficient to answer the question.

यदि कथन I और कथन II दोनों में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त है।

Q27. What is P's rank from top in a class of 40?

40 की कक्षा में P का शीर्ष से रैंक क्या है?

I. A, who is 4th from the top in the class, is above K by 24 ranks. K is the below from P by 7 ranks.

A, जो कक्षा में ऊपर से चौथा है, K से 24 रैंक ऊपर है। K, P से 7 रैंक नीचे है।

II. M, whose rank is between P and Z, is 30th from the bottom. A scored more than P.

M, जिसकी रैंक P और Z के बीच है, नीचे से 30वां है। A ने P से अधिक अंक प्राप्त किए।

(a) If the data in statement I alone are sufficient to answer the question while the data in statement II are not sufficient to answer the question.

यदि कथन I में दिया गया आंकड़ा अकेले प्रश्न का उत्तर देने के लिए पर्याप्त है जबकि कथन II में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(b) If the data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

यदि कथन II में दिया गया आंकड़ा अकेले प्रश्न का उत्तर देने के लिए पर्याप्त है जबकि कथन I में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

यदि डेटा अकेले कथन I या अकेले कथन II में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त है।

(d) If the data even in both statement I and statement II are not sufficient to answer the question.

यदि कथन I और कथन II दोनों में भी दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(e) If the data in both statement I and statement II are sufficient to answer the question.

यदि कथन I और कथन II दोनों में दिया गया आंकड़ा प्रश्न का उत्तर देने के लिए पर्याप्त है।

Directions (28-30): Study the information carefully and answer the questions given below-

जानकारी का ध्यानपूर्वक अध्ययन करें और नीचे दिए गए प्रश्नों के उत्तर दें-

An uncertain number of persons are sitting in a row facing North direction. Five persons sit between P and N. M is fourth from the left end. Only eight persons sit between T and N. There are four persons sit between X and P. There are six persons sit between X and A, who sits to the immediate left of M. D is eleventh from the left end. There are three persons sit between O and D. Only five persons sit to the right of T. Not more than 23 person sits in the row.

एक पंक्ति में अनिश्चित संख्या में व्यक्ति उत्तर दिशा की ओर उन्मुख होकर बैठे हैं। P और N के बीच पांच व्यक्ति बैठे हैं। M बाएं छोर से चौथे स्थान पर है। T और N के बीच केवल आठ व्यक्ति बैठे हैं। X और P के बीच चार व्यक्ति बैठे हैं। X और A के बीच छह व्यक्ति बैठे हैं, जो M के ठीक बाएं बैठा है। D बाएं छोर से ग्यारहवें स्थान पर है। O और D के बीच तीन व्यक्ति बैठे हैं। केवल पांच व्यक्ति T के दाईं ओर बैठे हैं। पंक्ति में 23 से अधिक व्यक्ति नहीं बैठे हैं।

Q28. How many persons are sitting in the row?

पंक्ति में कितने व्यक्ति बैठे हैं?

- (a) 19
(b) 26
(c) 32
(d) 23
(e) Can't determined

निर्धारित नहीं किया जा सकता

Q29. How many persons sit between P and T?

P और T के मध्य कितने व्यक्ति बैठे हैं?

- (a) Five
(b) None

पांच

कोई नहीं

(c) Two

दो

(d) Seven

सात

(e) Four

चार

Q30. What is the position of O with respect to N?

N के सन्दर्भ में O का स्थान क्या है?

(a) Immediate right

ठीक दायीं ओर

(b) Second to the left

बायीं ओर से दूसरा

(c) Fourth to the right

दायीं ओर से चौथा

(d) Third to the left

बायीं ओर से तीसरा

(e) Sixth to the right

दायीं ओर से छठा

Directions (31-35): Study the following information carefully to answer the given questions.

दिए गए प्रश्नों के उत्तर देने के लिए निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन करें।

A number arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

एक संख्या व्यवस्था मशीन जब संख्याओं की एक इनपुट लाइन दी जाती है तो प्रत्येक चरण में एक विशेष नियम का पालन करते हुए उन्हें पुनर्व्यवस्थित करती है। निम्नलिखित इनपुट और पुनर्व्यवस्था का एक उदाहरण है।

Input / इनपुट: 2375 9824 1673 8253 4213 5184

Step / चरण I: 2357 2489 1367 2358 1234 1458

Step / चरण II: 7532 9842 7631 8532 4321 8541

Step / चरण III: 4321 7532 7631 8532 8541 9842

Step / चरण IV: 32 53 63 53 54 84

Step / चरण V: 1 2 3 2 1 4

Step V is the last step of the input. As per the rules followed in the above step, find out the appropriate step for the given output.

चरण V इनपुट का अंतिम चरण है। उपरोक्त चरण में अनुसरण किए गए नियमों के अनुसार, दिए गए आउटपुट के लिए उपयुक्त चरण ज्ञात कीजिए।

Input / इनपुट: 3472 6721 9733 7123 5361 8417

Q31. In which of the following step the elements "9733 7321 6531" found in the same order?

निम्नलिखित में से किस चरण में तत्व "9733 7321 6531" समान क्रम में पाए जाते हैं?

(a) Step I

चरण I

(b) Step IV

चरण IV

(c) Step III

चरण III

(d) Step II

चरण II

(e) no such step

ऐसा कोई चरण नहीं

Q32. What is difference between the fourth element from the left in step IV and fourth element from the right in step V?

चरण IV में बाएं से चौथे तत्व और चरण V में दाएं से चौथे तत्व के बीच क्या अंतर है?

(a) 31

(b) 63

(c) 42

(d) 61

(e) None of these / इनमें से कोई नहीं

Q33. How many steps will be required to complete the rearrangement?

पुनर्व्यवस्था को पूरा करने के लिए कितने चरणों की आवश्यकता होगी?

(a) V

(b) IV

(c) II

(d) More than VI / VI से अधिक

(e) VI

Q34. Which of the following element would be at the third from the right of the element which is sixth from the right end in step II?

निम्नलिखित में से कौन सा तत्व उस तत्व के दायें से तीसरे स्थान पर होगा जो चरण II में दायें छोर से छठे स्थान पर है?

- (a) 9733
 - (b) 6531
 - (c) 7123
 - (d) 8417
 - (e) None of these
- इनमें से कोई नहीं

Q35. Which element is exactly between the third element from left end and second element from right end in step III?

चरण III में बाएं छोर से तीसरे तत्व और दाएं छोर से दूसरे तत्व के ठीक बीच कौन सा तत्व है?

- (a) 7321
 - (b) 7621
 - (c) 8741
 - (d) 6531
 - (e) Can't be determined
- निर्धारित नहीं किया जा सकता

Directions (36-40): Study the information carefully and answer the questions given below.

जानकारी का ध्यानपूर्वक अध्ययन करें और नीचे दिए गए प्रश्नों के उत्तर दें।

Seven persons are going to vacation in different months i.e. January, March, April, May, June, July and August. Each of them goes in different countries.

B goes in the month which has even number of days. Two persons goes between B and the one who goes Brazil. The one who goes Russia go just before the one who goes Argentina. The one who goes Argentina go in the month which has even number of days. Only one person goes between the one who goes Russia and G. G goes to Japan. D goes after B. Four persons goes between A and the one who goes to Germany. The one who goes Denmark goes after the one who goes Germany. B does not go Denmark. Neither D nor C goes Argentina and Denmark. F goes just after D. E does not go to Australia.

सात व्यक्ति अलग-अलग महीनों अर्थात् जनवरी, मार्च, अप्रैल, मई, जून, जुलाई और अगस्त में छुट्टियों पर जा रहे हैं। उनमें से प्रत्येक अलग-अलग देशों में जाता है।

B उस महीने में जाता है जिसमें दिनों की संख्या सम होती है। B और ब्राजील जाने वाले व्यक्ति के मध्य दो व्यक्ति जाते हैं। वह व्यक्ति जो रूस जाता है, अर्जेंटीना जाने वाले व्यक्ति के ठीक पहले जाता है। वह व्यक्ति जो अर्जेंटीना जाता है, उस महीने में जाता है जिसमें दिनों की संख्या सम होती है। रूस जाने वाले व्यक्ति और G के बीच केवल एक व्यक्ति जाता है। G जापान जाता है। D, B के पीछे जाता है। A और जर्मनी जाने वाले के बीच चार व्यक्ति जाते हैं। वह व्यक्ति जो डेनमार्क जाता है, जर्मनी जाने वाले व्यक्ति के पीछे जाता है। B डेनमार्क नहीं जाता है। न तो D न ही C अर्जेंटीना और डेनमार्क जाता है। F, D के ठीक बाद जाता है। E ऑस्ट्रेलिया नहीं जाता है।

Q36. E goes to which of the following country?

E निम्नलिखित में से किस देश में जाता है?

- (a) Russia
 - रूस
 - (b) Brazil
 - ब्राजील
 - (c) Argentina
 - अर्जेंटीना
 - (d) Germany
 - जर्मनी
 - (e) None of these
- इनमें से कोई नहीं

Q37. Who among the following goes in August?

निम्नलिखित में से कौन अगस्त में जाता है?

- (a) E
 - (b) G
 - (c) B
 - (d) A
 - (e) None of these
- इनमें से कोई नहीं

Q38. How many persons goes between C and A?

C और A के मध्य कितने व्यक्ति जाते हैं?

- (a) Two
 - दो
 - (b) Four
 - चार
 - (c) Three
 - तीन
 - (d) More than Four
 - चार से अधिक
 - (e) None of these
- इनमें से कोई नहीं

Q39. Who among the following person goes in Australia?

निम्नलिखित में से कौन ऑस्ट्रेलिया जाता है?

- (a) E
 - (b) F
 - (c) B
 - (d) D
 - (e) None of these
- इनमें से कोई नहीं

Q40. Who among the following goes just before A?

निम्नलिखित में से कौन A के ठीक पहले जाता है?

- (a) C
 - (b) D
 - (c) F
 - (d) E
 - (e) None of these
- इनमें से कोई नहीं

Q41. Which of the following techniques can be used to store a large number of files in a small amount of storage space?

निम्न में से किस तकनीक का उपयोग बड़ी संख्या में फाइलों को कम मात्रा में स्टोरेज स्पेस में स्टोर करने के लिए किया जा सकता है?

- (a) File adjustment
फ़ाइल समायोजन
 - (b) File copying
फाइल कॉपी करना
 - (c) File compatibility
फ़ाइल संगतता
 - (d) File compression
फ़ाइल संपीड़न
 - (e) None of these
- इनमें से कोई नहीं

Q42. Which among the following is software application commonly used to prepare a presentation/slide show?

प्रेजेंटेशन/स्लाइड शो तैयार करने के लिए आमतौर पर इस्तेमाल किया जाने वाला सॉफ्टवेयर एप्लीकेशन निम्नलिखित में से कौन सा है?

- (a) Adobe
एडोब
- (b) Power Point
पावर प्वाइंट
- (c) Outlook Express
आउटलुक एक्सप्रेस
- (d) Internet Explorer
इंटरनेट एक्सप्लोरर
- (e) Windows Explorer
विंडोज़ एक्सप्लोरर

Q43. Which among the following is a language directly understood by CPU?

निम्नलिखित में से कौन सी भाषा सीपीयू द्वारा सीधे समझी जाने वाली भाषा है?

- (a) Machine
मशीन
- (b) C
- (c) C++
- (d) Java
जावा
- (e) HTML
एचटीएमएल

Q44. Which of the following cable technologies covert electrical signals into optical signals?

निम्नलिखित में से कौन सी केबल तकनीक विद्युत संकेतों को ऑप्टिकल संकेतों में परिवर्तित करती है?

- (a) Coaxial
कोक्सिअल
- (b) STP
- (c) UTP
- (d) Fiber optic
फाइबर ऑप्टिक
- (e) All of these
उपरोक्त सभी

Q45. A commonly used graphic format for the Web is

वेब के लिए आमतौर पर इस्तेमाल किया जाने वाला ग्राफिक फॉर्मेट _____ है।

- (a) GIF
- (b) BMP
- (c) TXT
- (d) LMP
- (e) TIF

Q46. What does RDBMS stands for?

RDBMS का क्या अर्थ है?

- (a) Relational Database Management System
- (b) Relational Data Management System
- (c) Relational Database Management Software
- (d) Relational Data Management Software
- (e) Real Database Management System

Q47. Which organization developed MS DOS ?

MS DOS किस संस्था ने विकसित किया है ?

- (a) Apple
एप्पल
- (b) Microsoft
माइक्रोसॉफ्ट
- (c) Google
गूगल
- (d) IBM
आईबीएम
- (e) Sun Microsystems
सन माइक्रोसिस्टम्स

Q48. Which among the following term is used for those hardware devices that are not part of the main computer system and are often added later to the system?

निम्नलिखित में से कौन सा शब्द उन हार्डवेयर उपकरणों के लिए प्रयोग किया जाता है जो मुख्य कंप्यूटर सिस्टम का हिस्सा नहीं हैं और अक्सर सिस्टम में बाद में जोड़े जाते हैं?

- (a) clip art
क्लिप आर्ट
- (b) highligh
हाईलाइट
- (c) execute
एक्सेक्यूट
- (d) peripheral
पेरीफेरल
- (e) None of these
इनमें से कोई नहीं

Q49. What is the technology used to read pencil or pen marks on a multiple choice answer sheet called?

बहुविकल्पीय उत्तर पत्रक पर पेंसिल या पेन के निशान पढ़ने के लिए उपयोग की जाने वाली तकनीक को क्या कहा जाता है?

- (a) OMR
- (b) MICR
- (c) OCR
- (d) CPU
- (e) ALU

Q50. What are different views to display a table in MS Access?

एमएस एक्सेस में टेबल प्रदर्शित करने के लिए अलग-अलग व्यू क्या हैं?

- (a) Pivot Table & Pivot Chart View
पिवट टेबल और पिवट चार्ट व्यू
- (b) Design View
डिजाइन व्यू
- (c) Datasheet View
डेटाशीट व्यू
- (d) All of the above
उपरोक्त सभी
- (e) None of these
इनमें से कोई नहीं



Q51. SMTP, FTP and DNS are applications/protocols of the ____ layer.

एसएमटीपी, एफटीपी और डीएनएस ____ परत के अनुप्रयोग/प्रोटोकॉल हैं।

- (a) Data link
डेटा लिंक
- (b) Network
नेटवर्क
- (c) Transport
ट्रांसपोर्ट
- (d) Application
एप्लीकेशन
- (e) None of these
इनमें से कोई नहीं

Q52. Two or more computers connected to each other for sharing information form a ____.

सूचना साझा करने के लिए एक दूसरे से जुड़े दो या दो से अधिक कंप्यूटर एक ____ बनाते हैं।

- (a) Router
रूटर
- (b) Server
सर्वर
- (c) Network
नेटवर्क
- (d) Tunnel
टनल
- (e) Pipeline
पाइपलाइन

Q53. What is the sequence of events that occurs in the computer when it is interpreting and executing an instruction known as?

कंप्यूटर में होने वाली घटनाओं का क्रम क्या है जब वह किसी निर्देश की व्याख्या और निष्पादन कर रहा होता है ?

- (a) Execution cycle
एक्सेक्यूशन साईकल
- (b) Instruction cycle
इंस्ट्रक्शन साईकल
- (c) Working cycle
वर्किंग साईकल
- (d) Machine cycle
मशीन साईकल
- (e) None of the above
इनमें से कोई नहीं

Q54.What is the base or radix of the Hexadecimal number system?

हेक्साडेसिमल संख्या प्रणाली का आधार या मूलांक क्या है?

- (a) 2
- (b) 8
- (c) 10
- (d) 16
- (e) 20

Q55.Which of the following is a term for the process of trading goods over the Internet?

इंटरनेट पर माल के व्यापार की प्रक्रिया के लिए निम्नलिखित में से कौन सा शब्द है?

- (a) e-selling-n-buying
ई-सेलिंग-एंड-बाइंग
- (b) e-trading
ई-ट्रेडिंग
- (c) e-finance
ई-फाइनेंस
- (d) e-salesmanship
ई-सेल्समैनशिप
- (e) e-commerce
ई-कॉमर्स

Q56.What does a Bug mean?

बग का क्या अर्थ है?

- (a) Logical error in a program
लॉजिकल एरर इन ए प्रोग्राम
- (b) Syntax error in a program
सिंटैक्स एरर इन ए प्रोग्राम
- (c) Run time error
रन टाइम एरर
- (d) Both (a) and (b)
- (a) और (b)दोनों
- (e) None of the above
इनमें से कोई नहीं

Q57.Codes consisting of varying widths and spacing of parallel lines, which may be optically read, is known as _____.

अलग-अलग चौड़ाई और समानांतर रेखाओं के अंतर से युक्त कोड, जिन्हें वैकल्पिक रूप से पढ़ा जा सकता है, _____ के रूप में जाना जाता है।

- (a) mnemonic
मनिमोनिक
- (b) Bar code
बार कोड
- (c) Decoder
डिकोडर
- (d) All of the above
उपरोक्त सभी
- (e) None of the above
इनमें से कोई नहीं

Q58.Which of the following is a server that saves Web pages that users have requested so that successive requests for these pages do not require the use of the Internet?

निम्नलिखित में से कौन सा सर्वर उन वेब पेजों को सेव करता है जिनका उपयोगकर्ताओं ने अनुरोध किया है ताकि इन पेजों के लिए लगातार अनुरोधों के लिए इंटरनेट के उपयोग की आवश्यकता न हो?

- (a) dedicated server
डेडिकेटेड सर्वर
- (b) virtual server
वर्चुअल सर्वर
- (c) Off-Line Services
ऑफ-लाइन सर्विस
- (d) cache server
केचे सर्वर
- (e) None of these
इनमें से कोई नहीं

Q59.Which of the following is often used in conjunction with phishing in an attempt to steal your information?

आपकी जानकारी को चुराने के प्रयास में फ़िशिंग के संयोजन में अक्सर निम्न में से किसका उपयोग किया जाता है?

- (a) Zombie
ज़ोंबी
- (b) Computer Worm
कंप्यूटर वर्म
- (c) Spoofing
स्पूफिंग
- (d) Rootkit
रूटकिट
- (e) Scareware
स्केयरवेयर

Q60.which of the following device translates sound vibrations in the air into electronic signals?

निम्नलिखित में से कौन सा उपकरण हवा में ध्वनि कंपन को इलेक्ट्रॉनिक संकेतों में परिवर्तित करता है?

- (a) Hub
हब
- (b) Switch
स्विच
- (c) Microphone
माइक्रोफोन
- (d) All of these
उपरोक्त सभी
- (e) None of these
इनमें से कोई नहीं

Q61. Which of the following is not associated with hardware?

निम्न में से कौन सा हार्डवेयर से संबंधित नहीं है?

- (a) CPU
मॉनिटर
- (b) Monitor
कीबोर्ड
- (c) Keyboard
कीबोर्ड
- (d) COBOL
कोबोल
- (e) None of these
इनमें से कोई नहीं

Q62. Which of the following is the second layer of OSI Model?

निम्नलिखित में से क्या OSI मॉडल की दूसरी परत है?

- (a) Physical Layer
फिजिकल लेयर
- (b) Datalink Layer
डेटालिंक लेयर
- (c) Transport Layer
ट्रान्सपोर्ट लेयर
- (d) Network Layer
नेटवर्क लेयर
- (e) Presentation Layer
प्रेजेंटेशन लेयर

Q63. Which of the following allows to make copies of the database periodically to help in the cases of crashes and disaster?

निम्नलिखित में से क्या क्रैश और आपदा के मामलों में मदद करने के लिए समय-समय पर डेटाबेस की प्रतियां बनाने की अनुमति देता है?

- (a) Recovery Utility
रिकवरी यूटिलिटी
- (b) Monitoring Utility
मोनिटरिंग यूटिलिटी
- (c) Backup Utility
बैकअप यूटिलिटी
- (d) Data loading Utility
डेटा लोडिंग यूटिलिटी
- (e) None of these
इनमें से कोई नहीं

Q64. Which of the following shortcut key is used to move the beginning of a line?

निम्नलिखित में से किस शॉर्टकट कुंजी का प्रयोग किसी लाइन की शुरुआत को स्थानांतरित करने के लिए किया जाता है?

- (a) End
एंड
- (b) Insert
इन्सर्ट
- (c) Home
होम
- (d) Enter
एंटर
- (e) None of these
इनमें से कोई नहीं

Q65. Which of the following shortcut keys is used to restart the computer?

कंप्यूटर को रीस्टार्ट करने के लिए निम्न में से किस शॉर्टकट की का उपयोग किया जाता है?

- (a) Ctrl+Alt+Esc
- (b) Shift+Alt+Del
- (c) Ctrl+Alt+Del
- (d) Ctrl+Shift+Esc
- (e) None of these
इनमें से कोई नहीं

Q66. Which one of the following allows a user at one site to establish a connection to another site and then pass keystrokes from local host to remote host?

निम्नलिखित में से क्या एक साइट पर एक उपयोगकर्ता को दूसरी साइट से कनेक्शन स्थापित करने की अनुमति देता है और फिर स्थानीय होस्ट से रिमोट होस्ट तक कीस्ट्रोक पास करता है?

- (a) HTTP
टेलनेट
- (b) FTP
- (c) Telnet
- (d) POP3
- (e) None of these
इनमें से कोई नहीं

Q67. Formatting a disk results in all the data being...?

डिस्क को फॉर्मेट करने से सारा डेटा _____ होता है?

- (a) Saved to the disk
डिस्क में सेव
- (b) Copied from the disk
डिस्क से कॉपी
- (c) Deleted from the disk
डिस्क से डिलीट
- (d) All of the above
उपरोक्त सभी
- (e) None of these
इनमें से कोई नहीं

Q68. Which bus controls the sequencing of read/write operations?

कौन से बस पढ़ने/लिखने के संचालन की अनुक्रमण को नियंत्रित करता है?

- (a) Control bus
कंट्रोल बस
- (b) Address bus
एड्रेस बस
- (c) Data bus
डेटा बस
- (d) All of the above
उपरोक्त सभी
- (e) None of these
इनमें से कोई नहीं

Q69. ____ terminals (formerly known as cash registers) are often connected to complex inventory and sales computer systems.

____ टर्मिनल (जिसे पहले कैश रजिस्टर के रूप में जाना जाता था) अक्सर जटिल इन्वेंट्री और बिक्री कंप्यूटर सिस्टम से जुड़े होते हैं।

- (a) Point-of-sale (POS)
पॉइंट-ऑफ़-सेल (पीओएस)
- (b) Data
डेटा
- (c) Sales
सेल्स
- (d) Query
क्वेरी
- (e) None of these
इनमें से कोई नहीं

Q70. Which generation of computer developed using integrated circuits?

एकीकृत परिपथों का उपयोग करके कंप्यूटर की किस पीढ़ी का विकास हुआ?

- (a) Second generation
दूसरी पीढ़ी
- (b) Fifth generation
पांचवी पीढ़ी
- (c) Third generation
तीसरी पीढ़ी
- (d) All of the above
उपरोक्त सभी
- (e) None of these
इनमें से कोई नहीं

Q71. Which computers are used in the weather forecasting industry?

मौसम पूर्वानुमान उद्योग में किन कंप्यूटरों का उपयोग किया जाता है?

- (a) Super computers
सुपर कंप्यूटर
- (b) Notebook computers
नोटबुक कंप्यूटर
- (c) Jon Von Neumann computers
जॉन वॉन न्यूमैन कंप्यूटर
- (d) All of the above
उपरोक्त सभी
- (e) None of these
इनमें से कोई नहीं

Q72. NIC Stands for ____.

NIC ____ का अर्थ क्या है ?

- (a) Network Interface Card
- (b) Network Internal Card
- (c) Network Internet Client
- (d) Network Input Card
- (e) None of these
इनमें से कोई नहीं

Q73. ____ is the science that attempts to produce machines that display the same type of intelligence that humans do.

____ वह विज्ञान है जो ऐसी मशीनों का उत्पादन करने का प्रयास करता है जो उसी प्रकार की बुद्धि प्रदर्शित करती हैं जो मनुष्य करते हैं।

- (a) Nano science
नैनो साइंस
- (b) Nanotechnology
नैनोटेक्नोलॉजी
- (c) Simulation
सिमुलेशन
- (d) Artificial intelligence (AI)
आर्टिफिशियल इंटेलिजेंस (AI)
- (e) None of these
इनमें से कोई नहीं

Q74. What database key uniquely identifies a record within a table?

कौन सी डेटाबेस कुंजी किसी तालिका के भीतर विशिष्ट रूप से एक रिकॉर्ड की पहचान करती है?

- (a) Primary key
प्राथमिक कुंजी
- (b) Foreign key
फोरेइग्र कुंजी
- (c) Secondary key
माध्यमिक कुंजी
- (d) Relational key
रिलेशन कुंजी
- (e) None of these
इनमें से कोई नहीं

Q75.Network components are connected to the same cable in the ____ topology.

नेटवर्क घटक ____ टोपोलॉजी में एक ही केबल से जुड़े होते हैं।

- (a) Star
स्टार
- (b) Ring
रिंग
- (c) Bus
बस
- (d) Mesh
मेष
- (e) Mixed
मिक्स्ड

Q76.Surgeons can perform delicate operations by manipulating devices through computers instead of manually. This technology is known as:

सर्जन हाथों के बजाय कंप्यूटर के माध्यम से उपकरणों में हेरफेर करके नाजुक ऑपरेशन कर सकते हैं। इस तकनीक को किस रूप में जाना जाता है:

- (a) robotics.
रोबोटिक्स
- (b) computer forensics.
कंप्यूटर फोरेंसिक्स
- (c) simulation.
सिमुलेशन
- (d) forecasting.
फोरकास्टिंग

Q77.When we run a program in HTML coding ____ is used as backend and ____ works as front-end.

जब हम HTML कोडिंग में एक प्रोग्राम चलाते हैं तो ____ बैकएंड के रूप में उपयोग किया जाता है और ____ फ्रंट-एंड के रूप में कार्य करता है।

- (a) Notepad - Internet-Explorer
नोटपैड - इंटरनेट-एक्सप्लोरर
- (b) Notepad - Msn-messenger
नोटपैड - एमएसएन-मैसेंजर
- (c) MS-Word - Internet Explorer
एमएस-वर्ड - इंटरनेट एक्सप्लोरर
- (d) Both (1) and (2)
- (1) और (2) दोनों
- (e) None of these
इनमें से कोई नहीं

Q78.In a relational database, this is a data structure that organizes the information about a single topic into rows and columns.

एक रिलेशनल डेटाबेस में, यह एक डेटा संरचना है जो किसी एक विषय के बारे में जानकारी को पंक्तियों और स्तंभों में व्यवस्थित करती है।

- (a) Block
ब्लॉक
- (b) Record
रिकॉर्ड
- (c) Tuple
टपल
- (d) Table
टेबल
- (e) Command line interface
कमांड लाइन इंटरफेस

Q79.Which of the following requires computer memory in large amounts?

निम्नलिखित में से किसे अधिक मात्रा में कंप्यूटर मेमोरी की आवश्यकता होती है?

- (a) Imaging
इमेजिंग
- (b) Graphics
ग्राफिक्स
- (c) Voice
वाइस
- (d) All of above
उपरोक्त सभी
- (e) None of these
इनमें से कोई नहीं

Q80.Flash drives are plugged into a (n):

फ्लैश ड्राइव को एक ---- में प्लग किया गया है:

- (a) Expansion slot
एक्सपेंशन स्लॉट
- (b) Serial port
सीरियल पोर्ट
- (c) USB port
यूएसबी पोर्ट
- (d) Drive bay
ड्राइव बे
- (e) 3.5mm Jack

Q81. Which country took third place in the medal standings at the ISSF World Cup 2022 in Cairo, organized by the International Shooting Sport Federation?

अंतर्राष्ट्रीय निशानेबाजी खेल महासंघ द्वारा आयोजित काहिरा में आयोजित आईएसएसएफ विश्व कप 2022 में पदक तालिका में किस देश ने तीसरा स्थान प्राप्त किया?

- (a) Norway /नॉर्वे
- (b) India /भारत
- (c) Germany/जर्मनी
- (d) France/फ्रांस
- (e) China/चीन

Q82. Famous Golfer, Tiger Woods was formally inducted into the World Golf Hall of Fame. Tiger Woods belongs to which country?

प्रसिद्ध गोल्फर, टाइगर वुड्स को औपचारिक रूप से वर्ल्ड गोल्फ हॉल ऑफ फ़ेम में शामिल किया गया। टाइगर वुड्स किस देश से संबंधित हैं?

- (a) Canada/कनाडा
- (b) America/अमेरिका
- (c) France/फ्रांस
- (d) Britain/ब्रिटेन
- (e) Germany/जर्मनी

Q83. Which stock system has been started by the Bombay Stock Exchange and the National Stock Exchange from 25th February 2022?

25 फरवरी 2022 से बॉम्बे स्टॉक एक्सचेंज और नेशनल स्टॉक एक्सचेंज द्वारा कौन सा स्टॉक सिस्टम शुरू किया गया है?

- (a) P+1
- (b) P+2
- (c) T+1
- (d) T+2
- (e) E+1

Q84. Which ministry's website/portal was ranked 1st under the Central Ministries Portal in a National e-Governance Service Delivery Assessment released in July 2022? जुलाई 2022 में जारी राष्ट्रीय ई-गवर्नेंस सर्विस डिलीवरी असेसमेंट में केंद्रीय मंत्रालयों के पोर्टल के तहत किस मंत्रालय की वेबसाइट/पोर्टल को प्रथम स्थान दिया गया था?

- (a) Ministry of Women and Child Development/महिला एवं बाल विकास मंत्रालय
- (b) Ministry of Consumer Affairs, Food, and Public Distribution/उपभोक्ता मामले, खाद्य और सार्वजनिक वितरण मंत्रालय
- (c) Ministry of Home Affairs/गृह मंत्रालय
- (d) Ministry of Civil Aviation/नागर विमानन मंत्रालय
- (e) Ministry of Social Justice and Empowerment/सामाजिक न्याय एवं अधिकारिता मंत्रालय

Q85. The Cabinet Committee on Economic Affairs has approved the construction of the Taranga Hill-Ambaji-Abu Road new rail line to be constructed by the Ministry of Railways at an estimated cost of Rs 2798.16 crore. This rail line is between which two states?

आर्थिक मामलों की मंत्रिमंडलीय समिति ने 2798.16 करोड़ रुपये की अनुमानित लागत से रेल मंत्रालय द्वारा बनाई जाने वाली तरंगा हिल-अंबाजी-आबू रोड नई रेल लाइन के निर्माण को मंजूरी दे दी है। यह रेल लाइन किन दो राज्यों के बीच है?

- (a) Rajasthan & Madhya Pradesh/राजस्थान और मध्य प्रदेश
- (b) Madhya Pradesh & Uttar Pradesh/मध्य प्रदेश और उत्तर प्रदेश
- (c) Uttar Pradesh & Haryana/उत्तर प्रदेश और हरियाणा
- (d) Rajasthan & Gujarat/राजस्थान और गुजरात
- (e) Madhya Pradesh & Maharashtra/मध्य प्रदेश और महाराष्ट्र

Q86. Which International Organisation recently signed a Memorandum of Understanding with Govt of Singapore to promote investments in the Asia and Pacific region?

एशिया और प्रशांत क्षेत्र में निवेश को बढ़ावा देने के लिए हाल ही में किस अंतर्राष्ट्रीय संगठन ने सिंगापुर सरकार के साथ एक समझौता ज्ञापन पर हस्ताक्षर किए हैं?

- (a) International Monetary Fund/अंतर्राष्ट्रीय मुद्रा कोष
- (b) World Trade Organisation/विश्व व्यापार संगठन
- (c) Asian Development Bank/एशियाई विकास बैंक
- (d) World Bank/विश्व बैंक
- (e) New Development Bank/न्यू डेवलपमेंट बैंक

Q87. Dhaka International Film Festival began at Dhaka, Bangladesh and showcased 225 films from 70 countries under 10 categories screened across various venues in Dhaka. It was which edition of the Dhaka International Film Festival?

ढाका अंतर्राष्ट्रीय फिल्म महोत्सव ढाका, बांग्लादेश में शुरू हुआ और ढाका में विभिन्न स्थानों पर प्रदर्शित 10 श्रेणियों के तहत 70 देशों की 225 फिल्मों का प्रदर्शन किया गया। यह ढाका अंतर्राष्ट्रीय फिल्म महोत्सव का कौन सा संस्करण था?

- (a) 20th /20 वां
- (b) 21st /21 वां
- (c) 22nd /22 वां
- (d) 23rd /23 वां
- (e) 24th /24 वां

Q88. Small businesses-focused online lending platform Indifi Technologies has collaborated with which digital payment service provider to provide instant loans to eligible medium, small and micro enterprises (MSMEs) merchants through the Google Pay platform?

छोटे व्यवसाय-केंद्रित ऑनलाइन ऋण देने वाले प्लेटफॉर्म इंडिफी टेक्नोलॉजीज ने गूगल पे प्लेटफॉर्म के माध्यम से पात्र मध्यम, लघु और सूक्ष्म उद्यमों (MSMEs) व्यापारियों को तत्काल ऋण प्रदान करने के लिए किस डिजिटल भुगतान सेवा प्रदाता के साथ सहयोग किया है?

- (a) Paytm/पेटीएम
- (b) PhonePe/फोनपे
- (c) Google Pay/गूगल पे
- (d) Mobikwik/मोबिक्विक
- (e) Amazon Pay/अमेज़ॉन पे

Q89. Which day has been declared 'National Start-up Day' by Prime Minister Narendra Modi?

प्रधानमंत्री नरेंद्र मोदी द्वारा किस दिन को 'राष्ट्रीय स्टार्टअप दिवस' घोषित किया गया है?

- (a) January 14/14 जनवरी
- (b) January 15/15 जनवरी
- (c) January 16/16 जनवरी
- (d) January 17/17 जनवरी
- (e) January 18/18 जनवरी

Q90. India defeated China to win the bronze medal at the 2022 Women's Hockey Asia Cup tournament. The 2022 Women's Hockey Asia Cup was the _____ edition of the quadrennial Women's Hockey Asia Cup.

भारत ने 2022 महिला हॉकी एशिया कप टूर्नामेंट में चीन को हराकर कांस्य पदक जीता। 2022 महिला हॉकी एशिया कप चतुर्भुज महिला हॉकी एशिया कप का _____ संस्करण था।

- (a) 10th /10 वां
- (b) 15th /15 वां
- (c) 17th /17 वां
- (d) 20th /20 वां
- (e) 22nd /22 वां



Q91. The name of YES Asset Management has been rechristened as WhiteOak Capital Asset Management. What is the name of the Chief Executive Officer of WhiteOak Capital?

येस एसेट मैनेजमेंट का नाम व्हाइटऑक कैपिटल एसेट मैनेजमेंट के रूप में फिर से नामित किया गया है। व्हाइटऑक कैपिटल के मुख्य कार्यकारी अधिकारी का क्या नाम है?

- (a) Aashish P Sommaiya/आशीष पी सोमैया
- (b) Varun Dua/वरुण दुआ
- (c) M K Poddar/एम के पोद्दार
- (d) Tapan Kumar Singhel/तपन कुमार सिंघेल
- (e) Mayank Bathwal/मयंक बथवाल

Q92. Which state government has launched 'The Farmer Registration & Unified Beneficiary Information System' or FRUITS software for Aadhar-based, single-window registration for the schemes?

किस राज्य सरकार ने योजनाओं के लिए आधार-आधारित, एकल-खिड़की पंजीकरण के लिए 'किसान पंजीकरण और एकीकृत लाभार्थी सूचना व्यवस्था' या फ्रूट्स (FRUITS) सॉफ्टवेयर लॉन्च किया है?

- (a) Kerala/केरल
- (b) Odisha/ओडिशा
- (c) Uttar Pradesh/उत्तर प्रदेश
- (d) Madhya Pradesh/मध्य प्रदेश
- (e) Karnataka/कर्नाटक

Q93. World Blood Donor Day is observed globally on 14 June every year to promote awareness about the need for blood donation. Which country is the host nation for World Blood Donor Day 2022?

रक्तदान की आवश्यकता के बारे में जागरूकता को बढ़ावा देने के लिए प्रतिवर्ष 14 जून को विश्व रक्तदाता दिवस विश्व स्तर पर मनाया जाता है। विश्व रक्तदाता दिवस 2022 के लिए मेजबान देश निम्नलिखित में से कौन सा देश है?

- (a) Egypt/मिस्र
- (b) Britain/ब्रिटेन
- (c) Switzerland/स्विट्जरलैंड
- (d) Sweden/स्वीडन
- (e) Mexico/मेक्सिको

Q94. In which city did the ultra-luxury Sir M Visvesvaraya Railway Terminal make operational?

अल्ट्रा-लज्जरी सर एम विश्वेश्वरैया रेलवे टर्मिनल किस शहर में चालू हुआ?

- (a) Chennai/चेन्नई
- (b) Pune/पुणे
- (c) Mysore/मैसूर
- (d) Bengaluru/बेंगलुरु
- (e) Hyderabad/हैदराबाद

Q95. Which state has been ranked first in Asia in Affordable Talent in Global Startup Ecosystem Report (GSER)?

ग्लोबल स्टार्टअप इकोसिस्टम रिपोर्ट (जीएसईआर) में अफोर्डेबल टैलेंट में एशिया में किस राज्य को पहला स्थान दिया गया है ?

- (a) Karnataka/कर्नाटक
- (b) Kerala/केरल
- (c) Tamil Nadu/तमिलनाडु
- (d) Gujarat/गुजरात
- (e) Maharashtra/महाराष्ट्र

Q96. What is the name of Britain's Queen who overtook Thailand's King to become the world's second-longest reigning monarch in history?

उस ब्रिटेन की रानी का क्या नाम है जिसने थाईलैंड के राजा को पछाड़कर इतिहास में दुनिया का दूसरा सबसे लंबे समय तक शासन करने वाला सम्राट बना ?

- (a) Elizabeth/एलिजाबेथ
- (b) Elizabeth II/एलिजाबेथ द्वितीय
- (c) Elizabeth Bowes-Lyon/एलिजाबेथ बोवेस-लियोन
- (d) Mary I/मैरी प्रथम
- (e) None of these/इनमें से कोई नहीं

Q97. Nandikar's National Theatre Festival was started in 1984 to facilitate cultural integration in India and provide a forum for the exchange of notes among theatre workers from different parts of the country. It is celebrated in which state?

नंदीकर का राष्ट्रीय रंगमंच महोत्सव 1984 में भारत में सांस्कृतिक एकीकरण की सुविधा के लिए शुरू किया गया था और देश के विभिन्न हिस्सों से रंगमंच श्रमिकों के बीच नोटों के आदान-प्रदान के लिए एक मंच प्रदान करता है। यह किस राज्य में मनाया जाता है ?

- (a) Gwalior, Madhya Pradesh/ग्वालियर, मध्य प्रदेश
- (b) Chennai, Tamil Nadu/चेन्नई, तमिलनाडु
- (c) Patna, Bihar/पटना, बिहार
- (d) Lucknow, Uttar Pradesh/लखनऊ, उत्तर प्रदेश
- (e) Kolkata, West Bengal/कोलकाता, पश्चिम बंगाल

Q98. Zohur Ahmed Chowdhury Stadium abbreviated as ZAC Stadium is a cricket stadium with a seating capacity of around 20,000 was previously known as Bir Shrestha Shahid Ruhul Amin Stadium. It is in which country?

ZAC स्टेडियम के रूप में संक्षिप्त ज़ोहूर अहमद चौधरी स्टेडियम एक क्रिकेट स्टेडियम है जिसमें लगभग 20,000 की बैठने की क्षमता है जिसे पहले बीर श्रेष्ठ शाहिद रुहुल अमीन स्टेडियम के नाम से जाना जाता था। यह किस देश में है ?

- (a) Sri Lanka/श्रीलंका
- (b) Pakistan/पाकिस्तान
- (c) Afghanistan/अफगानिस्तान
- (d) Bangladesh/बांग्लादेश
- (e) Saudi Arabia/सऊदी अरब

Q99. Which state government has announced a 'Camel Protection and Development Policy' in its budget 2022-23?

किस राज्य सरकार ने अपने बजट 2022-23 में 'ऊंट संरक्षण और विकास नीति' की घोषणा की है ?

- (a) Maharashtra/महाराष्ट्र
- (b) Gujarat/गुजरात
- (c) Rajasthan/राजस्थान
- (d) Madhya Pradesh/मध्य प्रदेश
- (e) Uttar Pradesh/उत्तर प्रदेश

Q100. Department of Science and Technology (DST) tied up with which company to boost AI readiness and its programme 'Building AI Readiness among Young Innovators'?

विज्ञान और प्रौद्योगिकी विभाग (डीएसटी) ने एआई की तैयारी और इसके कार्यक्रम 'युवा नवप्रवर्तकों के बीच एआई रेडीनेस का निर्माण' को बढ़ावा देने के लिए किस कंपनी के साथ करार किया है ?

- (a) Azure/एज़्योर
- (b) Google/गूगल
- (c) Intel/इंटेल
- (d) IBM/आईबीएम
- (e) HP/एचपी

Q101. Which of the following signed MoU with Solar Energy Corporation of India to accomplish green energy targets and the Government of India's efforts towards a carbon-neutral economy?

निम्नलिखित में से किसने भारतीय सौर ऊर्जा निगम के साथ हरित ऊर्जा लक्ष्यों और कार्बन-तटस्थ अर्थव्यवस्था की दिशा में भारत सरकार के प्रयासों को पूरा करने के लिए समझौता ज्ञापन पर हस्ताक्षर किए ?

- (a) ONGC/ओएनजीसी
- (b) HPCL/एचपीसीएल
- (c) BPCL/बीपीसीएल
- (d) Coal India/कोल इंडिया
- (e) Indian Oil/इंडियन ऑयल

Q102. At which place, Indian Navy's multilateral exercise Milan 2022 kicked-off?

भारतीय नौसेना का बहुपक्षीय अभ्यास मिलन 2022 किस स्थान पर शुरू हुआ ?

- (a) Kolkata/कोलकाता
- (b) Visakhapatnam/विशाखापत्तनम
- (c) Bangalore/बैंगलोर
- (d) Jaisalmer/जैसलमेर
- (e) Dehradun/देहरादून

Q103. About 11.78 crore farmers as of February 22, 2022, have been benefitted under the PM Kisan scheme. Which anniversary has been celebrated of the PM Kisan Scheme? 22 फरवरी 2022 तक लगभग 11.78 करोड़ किसान पीएम किसान योजना के तहत लाभान्वित हो चुके हैं। पीएम किसान योजना की कौन सी वर्षगांठ मनाई गई है?

- (a) First/पहली
- (b) Second/दूसरी
- (c) Third/तीसरी
- (d) Fourth/चौथी
- (e) Fifth/पांचवीं

Q104. Veteran author Amar Mitra was awarded this year's O.Henry prize for a short story titled 'Gaonburo' which was translated into English (The Old Man Of Kusumpur) earlier. Amar Mitra is which language's author?

वयोवृद्ध लेखक अमर मित्रा को 'गाँवबुरो' नामक एक लघु कहानी, जिसका पहले अंग्रेजी (द ओल्ड मैन ऑफ कुसुमपुर) में अनुवाद किया गया था, के लिए इस वर्ष के ओ हेनरी पुरस्कार से सम्मानित था। अमर मित्रा किस भाषा के लेखक हैं?

- (a) Marathi/मराठी
- (b) Bengali/बंगाली
- (c) Gujarati/गुजराती
- (d) Odia/उड़िया
- (e) Malayalam/मलयालम

Q105. The Forbes billionaires 2022 list compiles the list of the world's richest, who this time was hit by the impact of the Russia-Ukraine conflict, coronavirus pandemic, and sluggish markets. Which country is on second place in the ranking of most number of billionaires?

फोर्ब्स अरबपति 2022 की सूची दुनिया के सबसे अमीर लोगों की सूची को संकलित करती है, जो इस बार रूस-यूक्रेन संघर्ष, कोरोनावायरस महामारी और सुस्त बाजारों के प्रभाव से प्रभावित थे। सबसे अधिक अरबपतियों की रैंकिंग में कौन सा देश दूसरे स्थान पर है?

- (a) America/अमेरिका
- (b) China/चीन
- (c) France/फ्रांस
- (d) Britain/ब्रिटेन
- (e) Singapore/सिंगापुर

Q106. Who was the photographer behind the World Press Photo of the Year-winning photograph "Kamloops Residential School" from 2022?

2022 से वर्ल्ड प्रेस फोटो ऑफ द ईयर का पुरस्कार जीतने वाली तस्वीर "कमलूप्स रेजिडेंशियल स्कूल" के फोटोग्राफर कौन थे?

- (a) Evelyn Hockstein/एवलिन हॉकस्टीन
- (b) Valery Melnikov/वालेरी मेलनिकोव
- (c) Antonio Faccilongo/एंटोनियो फैसिलोंगो
- (d) Chris Donovan /क्रिस डोनोवन
- (e) Amber Bracken/एम्बर ब्रैकेन

Q107. Which Payments Bank has approved a 12.19 percent minority strategic investment in New Delhi-based fintech Paysprint Pvt Ltd?

किस पेमेंट्स बैंक ने नई दिल्ली स्थित फिनटेक पेस्प्रींट प्राइवेट लिमिटेड में 12.19 प्रतिशत अल्पसंख्यक रणनीतिक निवेश को मंजूरी दी है?

- (a) Airtel Payments Bank/एयरटेल पेमेंट्स बैंक
- (b) Jio Payments Bank/जियो पेमेंट्स बैंक
- (c) Paytm Payments Bank/पेटीएम पेमेंट्स बैंक
- (d) Fino Payments Bank/फिनो पेमेंट्स बैंक
- (e) NSDL Payments Bank/एनएसडीएल पेमेंट्स बैंक

Q108. Which of the following plans to launch the National Data and Analytics Platform (NDAP), which would give government data in a user-friendly manner and encourage data-driven decision-making and research?

निम्नलिखित में से कौन राष्ट्रीय डेटा और विश्लेषिकी प्लेटफॉर्म (एनडीएपी) लॉन्च करने की योजना बना रहा है, जो उपयोगकर्ता के अनुकूल तरीके से सरकारी डेटा देगा और डेटा-संचालित निर्णय लेने और अनुसंधान को प्रोत्साहित करेगा?

- (a) ISRO/इसरो
- (b) C-DAC/सी-डैक
- (c) UIDAI/यूआईडीएआई
- (d) NITI Aayog /नीति आयोग
- (e) None of the above/उपरोक्त में से कोई नहीं

Q109. Reserve Bank of India has released the Annual Report of the Ombudsman Schemes for 2020-21. The volume of complaints received under all the 3 Ombudsman Schemes increased by _____ percent on an annualized basis and stood at 3,03,107.

भारतीय रिजर्व बैंक ने 2020-21 के लिए लोकपाल योजनाओं की वार्षिक रिपोर्ट जारी की है। सभी 3 लोकपाल योजनाओं के तहत प्राप्त शिकायतों की मात्रा में वार्षिक आधार पर _____ प्रतिशत की वृद्धि हुई और यह 3,03,107 रही।

- (a) 11.11 %
- (b) 22.27%
- (c) 17.27%
- (d) 9.09%
- (e) 10.27%

Q110. Social worker and Padma Shri awardee Shanti Devi, who was remembered as the voice of the poor, has passed away recently. Shanti Devi was from which state?

गरीबों की आवाज के रूप में याद की जाने वाली सामाजिक कार्यकर्ता और पद्म श्री पुरस्कार विजेता शांति देवी का हाल ही में निधन हो गया है। शांति देवी किस राज्य की थीं?

- (a) West Bengal/पश्चिम बंगाल
- (b) Odisha/ओडिशा
- (c) Chhattisgarh/छत्तीसगढ़
- (d) Uttar Pradesh/उत्तर प्रदेश
- (e) Maharashtra/महाराष्ट्र

Q111. Which city has created a Guinness record by lighting 11.71 lakh clay lamps (diyas) in 10 minutes?

किस शहर ने 10 मिनट में 11.71 लाख मिट्टी के दीये जलाकर गिनीज रिकॉर्ड बनाया है?

- (a) Prayagraj/प्रयागराज
- (b) Ayodhya/अयोध्या
- (c) Varanasi/वाराणसी
- (d) Ujjain/उज्जैन
- (e) Katra/कटडा

Q112. Which insurance company has appointed National Award-winning actress VidyaBalan as its brand ambassador?

किस बीमा कंपनी ने राष्ट्रीय पुरस्कार विजेता अभिनेत्री विद्याबालन को अपना ब्रांड एंबेसडर नियुक्त किया है?

- (a) Life Insurance Corporation of India/भारतीय जीवन बीमा निगम
- (b) Bharati Axa Life Insurance/भारती एक्सा लाइफ इंश्योरेंस
- (c) Max Life Insurance/मैक्स लाइफ इंश्योरेंस
- (d) Bajaj Alliance Insurance/बजाज आलियांस इंश्योरेंस
- (e) The New India Assurance Corporation Limited/न्यू इंडिया एश्योरेंस कॉर्पोरेशन लिमिटेड

Q113. With which organisation, the Government of India has signed the Host Country Agreement (HCA) for the establishment of an Area Office & Innovation Centre of that organisation in New Delhi?

किस संगठन के साथ, भारत सरकार ने नई दिल्ली में उस संगठन के क्षेत्रीय कार्यालय और नवाचार केंद्र स्थापित करने के लिए मेजबान देश समझौते (एचसीए) पर हस्ताक्षर किए हैं?

- (a) World Health Organisation/विश्व स्वास्थ्य संगठन
- (b) International Monetary Fund/अंतर्राष्ट्रीय मुद्रा कोष
- (c) International Telecommunication Union/अंतर्राष्ट्रीय दूरसंचार संघ
- (d) World Trade Organisation/विश्व व्यापार संगठन
- (e) UNESCO/यूनेस्को

Q114. Which company has decided to acquire an additional 4.7 percent stake in Indus Towers from Vodafone Group?

किस कंपनी ने वोडाफोन ग्रुप से इंडस टावर्स में अतिरिक्त 4.7 प्रतिशत हिस्सेदारी हासिल करने का फैसला किया है?

- (a) Tata /टाटा
- (b) Reliance/रिलायंस
- (c) Bharati Airtel/भारती एयरटेल
- (d) Wipro/विप्रो
- (e) Infosys/इंफोसिस

Q115. Which among the following will become the first multilateral agency to open an office in the Gujarat International Finance Tech City (GIFT)?

निम्नलिखित में से कौन गुजरात इंटरनेशनल फाइनेंस टेक सिटी (गिफ्ट) में कार्यालय खोलने वाली पहली बहुपक्षीय एजेंसी बन जाएगी?

- (a) Asian Development Bank/एशियाई विकास बैंक
- (b) New Development Bank/न्यू डेवलपमेंट बैंक
- (c) International Monetary Fund/अंतर्राष्ट्रीय मुद्रा कोष
- (d) World Bank/विश्व बैंक
- (e) African Development Bank Group/अफ्रीकी विकास बैंक समूह

Q116. Narendra Singh Tomar has launched the country's first homegrown COVID-19 vaccine for animals which is developed by the Haryana-based ICAR-National Research Centre on Equines (NRC). What is the name of the vaccine?

नरेंद्र सिंह तोमर ने जानवरों के लिए देश का पहली घरेलू COVID-19 वैक्सीन लॉन्च की है, जिसे हरियाणा स्थित आईसीएआर-नेशनल रिसर्च सेंटर ऑन इक्वाइन (एनआरसीई) द्वारा विकसित की गई है। वैक्सीन का नाम क्या है?

- (a) Porcine herpes/पोर्सिन हर्पीस
- (b) Bovine/बोवाइन
- (c) Ancovax/एंकोवैक्स
- (d) Sanovax/सेनोवैक्स
- (e) None of these/इनमें से कोई नहीं

Q117. _____ currency is the kind of money that does not have any intrinsic value and it can't convert into a valuable resource. The value of this money is determined by government orders which makes it a legal instrument for all transaction purposes.

_____ मुद्रा एक प्रकार का धन है जिसका कोई आंतरिक मूल्य नहीं है और यह एक मूल्यवान संसाधन में परिवर्तित नहीं हो सकता है। इस धन का मूल्य सरकारी आदेशों द्वारा निर्धारित किया जाता है जो इसे सभी लेनदेन उद्देश्यों के लिए एक कानूनी साधन बनाता है।

- (a) Fiat/फिएट
- (b) Token/टोकन
- (c) Standard/स्टैंडर्ड
- (d) Sub-Standard/सब-स्टैंडर्ड
- (e) None of these/इनमें से कोई नहीं

Q118. As per Union Budget 2022-23, who will issue the Digital Rupee to boost the digital economy using blockchain?

केंद्रीय बजट 2022-23 के अनुसार, ब्लॉकचेन का उपयोग करके डिजिटल अर्थव्यवस्था को बढ़ावा देने के लिए डिजिटल रुपया कौन जारी करेगा?

- (a) NABARD/नाबाई
- (b) EXIM Bank/एक्सिम बैंक
- (c) RBI/आरबीआई
- (d) Finance Ministry/वित्त मंत्रालय
- (e) SEBI/सेबी

Q119. Narendra Modi has unveiled a statue of Lord Hanuman Ji in Morbi, Gujarat, at the Ashram of Bapu Keshvanand Ji. What is the height of the statue (in feet)?

नरेंद्र मोदी ने गुजरात के मोरबी में बापू केशवानंद जी के आश्रम में भगवान हनुमान जी की एक प्रतिमा का अनावरण किया। प्रतिमा की ऊंचाई (फुट में) कितनी है?

- (a) 580 ft/ फीट
- (b) 108 ft/ फीट
- (c) 312 ft/ फीट
- (d) 182 ft/ फीट
- (e) 438 ft/ फीट

Q120. Which country has been elected to the United Nations Economic and Social Council's (ECOSOC) four major bodies, including the Commission on Science and Technology for Development?

कौन सा देश संयुक्त राष्ट्र आर्थिक और सामाजिक परिषद (ईसीओएसओसी) के चार प्रमुख निकायों के लिए चुना गया है, जिसमें विकास के लिए विज्ञान और प्रौद्योगिकी आयोग भी शामिल है?

- (a) Sri Lanka/श्रीलंका
- (b) Japan/जापान
- (c) Bangladesh/बांग्लादेश
- (d) Pakistan/पाकिस्तान
- (e) India / भारत

Directions (121-130): Read the following passage carefully and answer the questions given below them. Certain words are given in bold to help you locate them while answering some of the questions.

According to a United Nations FAO report published in 2011, almost half of the fruit and vegetables produced in the world go to waste – they never get consumed by the humans for whom they are grown. Wastage occurs throughout the production and distribution cycle, during production, during transformation, during transport, and even – **notably** in developed economies – after purchase by the final customer. Fifty percent of all fruit and vegetables going to waste, that is an enormous amount of wastage, and not just in economic terms. This wastage has a huge impact in terms of natural resources, particularly space and water, which in turn have huge implications for the global environment. Cutting out all waste in the production and distribution of food is an

impossible goal. Even people living in small eco-sustainable communities generate waste. Even in organic crop production, pests and disease cause wastage; and even if harvested and distributed locally, part of a crop will always be wasted.

But there is a large difference between wasting fifty percent of all fruit and vegetables produced worldwide, and the unreachable goal of achieving no waste at all. Between 50% and zero, there is plenty of scope for significantly reducing the volume of food waste worldwide simply through the use of new more efficient production methods. Studies have shown that packaging and distribution systems account for about 25% of total wastage of fresh fruit and vegetables, leaving plenty of opportunity for improvement. In an ideal world, and as in the past, much of the food consumed in cities would be produced locally, not shipped thousands of miles as happens today. In 1131312, the US Department of Agriculture released a study into fruit and vegetables arriving at the Chicago Terminal Market, the main point of distribution for the American Middle West. The report showed that basic vegetables including lettuce, broccoli, peas or cauliflowers all travelled over 2000 miles (over 3000 km) before reaching the market... and before being shipped on to supermarkets across the region. Yet Chicago is in the heart of a massive agricultural area. Granted it can get pretty cold in winter, but with modern agricultural techniques, the Midwest could be self-sufficient for many types of fruit and vegetables, cutting out the massive environmental cost of shipping tons of vegetables half way across a continent.

Since 2011, Chicago's O'Hare airport has been _____ to an aeroponic garden, where people can see how vegetables can be grown in an environment that is not only without soil but even without any permanent medium in which to grow. In this experimental garden, plants are grown, as the name suggests, in the air, their roots hanging down in nothing. Hydroponics, growing plants in troughs of nutrient-rich water, has been developing since the 11370's. Aeroponics takes things one step further, by removing the water and replacing it with air. Not just air, obviously; while plants are grown with roots hanging in the air, these roots are regularly sprayed with a nutrient-rich solution that gives them just what they need for **optimum** growth. It's very high-tech, it's not cheap, and it's a long way from currently popular organic farming techniques. Yet in many ways, aeroponics is actually more environment-friendly than even the most strictly managed traditional organic farming methods. And it's down to one factor: waste. Traditional farming is wasteful; modern intensive agriculture relies on large inputs of external resources, notably heat, water and nutrients. The vast amounts of water used by agriculture are already causing serious problems in many parts of the world; beneath California's San Joaquin Valley, the world's most productive agricultural area, water tables have been dropping for almost a century.

Q121. _____ accounts for 25% of the total wastage.

- (a) pests and disease
- (b) vegetables like broccoli, peas, etc.
- (c) water and nutrients
- (d) distributing and packaging
- (e) None of the above

Q122. According to the paragraph, why is the method of aeroponics considered more environment-friendly than the traditional form of farming?

- (a) Aeroponics contain the ability to grow large quantities of food in small spaces.
- (b) Traditional farming requires a higher use of inputs such as capital and labour.
- (c) Aeroponics require very minimal amount of resources to grow crops and nurture them therefore not producing a lot of waste.
- (d) All of the above
- (e) None of the above

Q123. Choose the area that is globally famous for being the most productive agricultural area.

- (a) San Joaquin Valley
- (b) O'Hare airport
- (c) Chicago Terminal Market
- (d) United Nations FAO
- (e) None of these

Q124. How does the passage define *Hydroponics*?

- (a) Using of excessive amounts of water each day to feed the growing plants, so much as that the crops start floating.
- (b) Method of growing plants that involves growing plants without soil, by using mineral nutrient solutions in an aqueous solvent.
- (c) It is a system of growing plants where you only water the plants twice a day, no more or no less than that.
- (d) None of these
- (e) All of the above

Q125. Choose the statement(s) which is/are TRUE, according to the information in the passage.

- (I) Members of certain eco-sustainable communities are successful in producing no waste.
 - (II) Traditional method of farming uses a very minimalist approach in its application.
 - (III) Hydroponics have been evolving in their technique since the 11370s.
- (a) Both I and III
 - (b) Only II
 - (c) Both II and I
 - (d) Only III
 - (e) All of the above

Q126. What does the statement "In an ideal world, and as in the past, much of the food consumed in cities would be produced locally,..." entail?

- (a) People in the past preferred to produce their own food independently in their backyards.
- (b) Whatever edible items that a population of a city consumes should be grown in the areas in or around the city itself.
- (c) We should not intake food produced that is either exported from other countries or not grown locally.
- (d) Both (a) and (c)
- (e) None of these

Q127. Which of the following word will be appropriate to fill the blank given in (I) in the passage?

- (a) universe
- (b) planet
- (c) home
- (d) garden
- (e) None of these

Q128. What is the word most similar to **OPTIMUM** in meaning?

- (a) nurture
- (b) incompatibility
- (c) absurd
- (d) supreme
- (e) None of the above

Q129. Choose the word which is opposite to **IMPOSSIBLE**.

- (a) realizable
- (b) stupor
- (c) repugnant
- (d) cliché
- (e) None of these



Q130. What is another word for **NOTABLY**?

- (a) covert
- (b) copious
- (c) impressively
- (d) grotesque
- (e) None of these

Directions (131-135): In each question, the word at the top of the table is used in four different ways, numbered (A) to (D). Choose the option in which the usage of the word is **INCORRECT** or **INAPPROPRIATE**. If it is used correctly in every sentence choose option (E) as your choice.

Q131. Dismantle

- (a) They decided to **dismantle** the machine and start again from scratch.
- (b) If the king's knights do not win the next battle, his majesty is sure to **dismantle** the surrender of his realm.
- (c) Her host family **dismantled** on the improvement in her English over the three month period.
- (d) As North Koreans continue to be **dismantled** in a totalitarianism, they will suffer by the hands of a cruel and controlling leader.
- (e) All of them

Q132. Plight

- (a) The dishevelled room had dirty **plight** and empty beer bottles on the floor.
- (b) Kevin's successful architectural **plight** were attributed to his sturdy table, steady hand and a creative brain.
- (c) During the **plight**, the attorney continued to reference similar cases with a positive outcome.
- (d) The book follows the **plight** of an orphaned Irish girl who marries in New York society.
- (e) All of them

Q133. Puny

- (a) The public's **puny** continued to governor sunk the state's economy.
- (b) The audience thought the **puny** girl would not sing loudly, but she surprised everyone when her strong voice filled the auditorium.
- (c) Doug was set on pursuing his goal of being a world **puny** chef.
- (d) The little girl had a fever, but the test gave no **puny** cause for her symptoms.
- (e) All of them

Q134. Eradicate

- (a) Even during times of war rationing, the purveyor was able to **eradicate** coffee and sugar for the wealthy families.
- (b) The best way to **eradicate** the thought process of someone who is focusing is to force a sudden and unexpected disturbance upon them.
- (c) Using a special poison, the farmer was able to **eradicate** from his field all of the pests and rodents that plagued the crops.
- (d) Finding himself under **eradicated** for fraud, Howard worried that his Zurich accounts had been discovered.
- (e) All of them

Q135. Impede

- (a) The people who live on the mountain have **impeding** personalities because they are not used to being around other members of society
- (b) Joining the priesthood calls for a **impeding** of worldly pleasures.
- (c) There is no way to show that the suspect is definitively the killer since DNA wasn't **impeded** at the crime scene.
- (d) The purpose of the barrier is to **impede** entry into the museum to prevent overcrowding at the exhibits.
- (e) All of them

Q136. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

- (a) Neeraj Chopra, the son of a farmer from Khandra village in Haryana, produced a throw of 127.512m in the finals to end India's 100-year wait for a track and field medal in the Olympics.
- (b) Major player on Wall Street are beginning to push back their return-to-office dates because of surging Covid-113 cases.
- (c) Gymnastics superstar Simone Biles left Tokyo on Wednesday with her fame intact, but changed from the person she had been before the games.
- (d) Instead of spinning hoops around the waist as kids have done for decades, Hula-Hoop dancers have some new moves as the trend returns.
- (e) All are correct

Q137. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) Eating a plate full of colourful foods like strawberries and peppers, which include flavonoids, could slow your cognitive decline, a new study found.

(b) Olympic divers perform mind-blowing acrobatics into deep pools at high velocity, and keeping their muscles healthy is a crucial part of their success.

(c) As the coronavirus pandemic continues, infections caused by the Lambda variant have been emerging in the United States, including in Texas, where Houston Methodist Hospital last month reported its firstly case.

(d) Not buying into the narrative that teens have immature brains, can't think clearly, are bad decision-makers and are risk-inclined is an important step, recommended Dr. Hina Talib, a paediatrician and adolescent medicine specialist at Children's Hospital at Montefiore in New York.

(e) All are correct

Q138. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) Daughter of rock star Bruce and singer-songwriter Patti Scialfa, Jessica Springsteen made her Olympic debut at this year's Tokyo Games.

(b) US Deputy Secretary of State Wendy Sherman got quite the earful from Chinese Vice Foreign Minister Xie Feng when she arrived at the northern Chinese city of Tianjin.

(c) Fully vaccinated people who get a Covid-113 breakthrough infection can transmit the virus, US Centers for Disease Control and Prevention Director Dr. Rochelle Walensky said on Thursday.

(d) Germany's modern pentathlon coach Kim Raisner has been disqualified from Tokyo 2020 for hitting a horse, the Modern Pentathlon Federation (UIPM) said in a statement on Saturday.

(e) All are correct

Q139. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) Science and innovation are bringing a dizzying number of new meat alternatives, from the booming rise of Beyond and Impossible to dozens of global startups hoping to replace land-hungry, pollution-belching animal agriculture with protein fermented in labs.

(b) The soldiers are rigorously trained during boot camp so that they can deal with any difficulty once they are deployed.

(c) While some question her mental toughness and ability to compete and perform at the highest levels when the stakes are high, Simone Biles is also being praised for caring for her mental health.

(d) Restricting your blood flow sounds like a dangerous thing to do, but it's exactly what some Olympians, athletes, and surgery and physical therapy patients has done to strengthen their muscles and speed up recovery.

(e) All are correct

Q140. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) Placing the new design on her wiry frame, the fitness model prepared to show her body off on the runway.

(b) The light pastoral depicted children strolling through meadows among the cattle.

(c) Megalomania was the worst, among his many negative qualities.

(d) To save the wine for later, we would need to decant it from the bottle into a closed flask since we lost the cork.

(e) All are correct

Q141. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) The polarization surrounding mask mandates is deepened as some state and local officials spar on how to approach face coverings protocols in schools, a debate unfolding as more children contract Covid-113.

(b) Drinking up to three or four cups of caffeinated or decaffeinated coffee a day reduces your risk of developing and dying from chronic liver diseases, a new study found.

(c) There is nothing like sinking your teeth into a perfectly ripe, juicy peach on a hot summer day.

(d) Risk factors for liver disease include drinking alcohol, obesity, diabetes, smoking, hepatitis B and C infections, and having non-alcoholic fatty liver disease, which is the build-up of extra fat in liver cells that is not caused by alcohol.

(e) All are correct

Q142. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) Social support is an important facet of endurance, but we can train our brains to focus on the task at hand despite unexpected circumstances, said Megan M. Buning, a teaching specialist.

(b) Any spontaneous and unexpected loss of pregnancy before the 20th week is considered a miscarriage.

(c) Smartphones have become essential, but fixation with all they have to offer -- apps for social media, streaming, games and more -- can be a slippery slope.

(d) Talking in your sleep is a parasomnia disorder called somniloquy, and experts aren't exactly sure why it happens, said Dr. Kannan Ramar, professor of medicine at the Mayo Clinic in Rochester, Minnesota.

(e) All are correct

Directions (143-147): Given below are five sentences of a paragraph in a jumbled fashion. Arrange the sentences to form a coherent paragraph and answer the following questions.

(A) Recently discovered fossils belonging to ancient sponges might be the earliest known remnants of an animal body and pre-date other sponge fossils by 350 million years.

(B) She further disclosed that they were found in rock samples in North-western Canada.

(C) However, only little is known about the earliest days of animal life's emergence on Earth because the fossil record is sparse.

(D) Simple animal life may have existed in Earth's oceans 12130 million years ago, according to a new research.

(E) Elizabeth Turner, a professor of paleontology and sedimentary geology at Laurentian University in Ontario, discovered what she believes are possibly the fossilized structures of sponges that once existed in reefs millions of years ago.

Q143. What should be the FOURTH sentence of the final sequence?

(a) B

(b) A

(c) D

(d) E

(e) C

Q144. What should be the SECOND sentence of the sequence?

(a) B

(b) C

(c) A

(d) E

(e) D

Q145. What should be the last sentence of the sequence?

(a) E

(b) C

(c) D

(d) A

(e) B

Q146. What should be the FIRST sentence of the final sequence?

(a) A

(b) B

(c) C

(d) D

(e) E

Q147. What should be the THIRD sentence of the final sequence?

(a) B

(b) D

(c) E

(d) C

(e) A

Directions (148-150): In the following questions, a sentence is divided into four parts consisting of a highlighted word in each part. Choose the option reflecting the word which is either misspelt or grammatically incorrect. If all the highlighted words are correct, choose option (E) i.e. "all are correct" as your answer choice.

Q148. A study provides a new theoretical **underpinning** for the unexplained breakdown of **established** techniques for measuring the age of stars past their middle age, and the **transition** of solar-like stars to a **magnetically** inactive future.

(a) underpinning

(b) established

(c) transition

(d) magnetically

(e) All are correct

Q149. Recently **discovered** fossils belonging to ancient **sponges** might be the earliest known **remnants** of an animal body and pre-date other sponge **fossils** by 350 million years.

- (a) discovered
- (b) sponges
- (c) remnants
- (d) fossils
- (e) All are correct

Q150. Google's (GOOGL) parent company Alphabet reported **revenue** of \$61.13 billion for the quarter ended June 30, a **staggering** 62% jump from the same **quarter** last year and **significantly** higher than analysts had expected.

- (a) revenue
- (b) staggering
- (c) quarter
- (d) significantly
- (e) All are correct

Directions (151-160): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five options are given. Find out the appropriate word which fits into the blank appropriately.

Q151. Dark matter can be a real drag. The pull of that **151.** _____, invisible matter in our galaxy may be slowing down a rotating bar of stars at the heart of our Milky Way. Scientists used a technique to **152.** _____ a timeline for this slowdown. The approach works somewhat like figuring out a tree's age by counting rings in the trunk. This technique finds the bar's speed has slowed by at least 24 percent since it formed, billions of years ago. That slowdown is "another indirect — but important — piece of **153.** _____ that dark matter is a thing," says astrophysicist Martin Weinberg. He works at the University of Massachusetts Amherst. Scientists have long **154.** _____ that dark matter exists, even though they can't see it. The new slowdown is a sign of dark matter, Weinberg says. After all, he points out, "this [slowdown] can't happen without it." Many spiral galaxies, including our Milky Way, contain a central bar-shaped **155.** _____. It is densely packed with stars. **156.** _____ it are the galaxy's pin wheeling arms. The bar also has some groupies: a crew of stars. They sit alongside the bar but farther out from the galaxy's center. They're trapped by the bar's gravitational influence. Those stars orbit about a gravitationally stable site known as a so-called Lagrange point. If the bar's rotation slows, it will grow in length. The bar's tagalongs will also move **157.** _____. As that happens, that group of hangers-on will gather even more stars.

According to a computer model of this **158.** _____, those additional stars should **159.** _____ themselves in layers on the outside of the group, says Ralph Schönrich. He's a/an **160.** _____ at University College London in England. The layers of stars serve as a record of the group's growth. "It's actually like a tree that you can cut up in your own galaxy," he says.

- (a) acrimonious
- (b) unidentified
- (c) propitious
- (d) tremulous
- (e) None of the above

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- (a) recreate
- (b) besiege
- (c) cajole
- (d) equivocate
- (e) None of the above

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(a) novel
 (b) crew
 (c) cede
 (d) evidence
 (e) None of the above

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(a) construe
 (b) peruse
 (c) suspected
 (d) condone
 (e) None of the above

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- (a) decree
- (b) cite
- (c) pious
- (d) region
- (e) None of the above

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- (a) bewitched
- (b) ecstatic
- (c) extraneous
- (d) surrounding
- (e) None of the above

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- (a) alienated
- (b) outward
- (c) ironclad
- (d) foolhardy
- (e) None of the above



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- (a) process
- (b) assent
- (c) throng
- (d) suffrage
- (e) None of the above

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- (a) immigrate
- (b) masquerade
- (c) waffle
- (d) arrange
- (e) None of the above

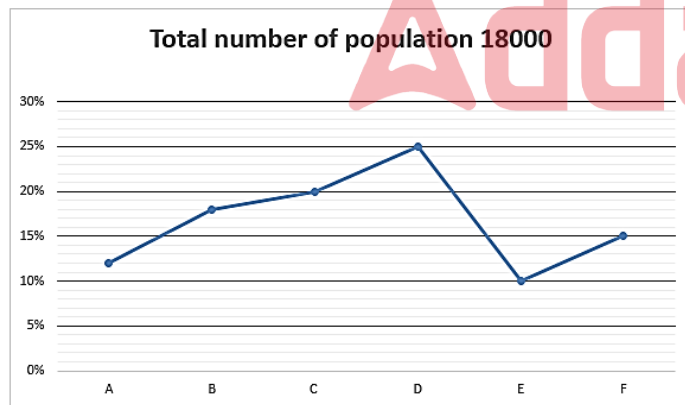
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- (a) astrophysicist
 (b) cartographer
 (c) investigator
 (d) philanthropist
 (e) None of the above

Directions (161-165): The given line graph shows percentage distribution of total number of populations in six (A, B, C, D & E) different towns. Read the following line graph and table carefully and answer the questions given below.

दिया गया रेखा स्तंभ छह (A, B, C, D और E) विभिन्न शहरों में आबादी की कुल संख्या का प्रतिशत वितरण दर्शाता है। निम्नलिखित रेखा स्तंभ और तालिका को ध्यान से पढ़ें और नीचे दिए गए प्रश्नों के उत्तर दें।



दी गई तालिका छह अलग-अलग शहरों में पुरुष से महिला आबादी का अनुपात और गरीबी से नीचे की आबादी का प्रतिशत दर्शाती है।

Towns / शहर	Male : Female पुरुष : महिला	Percentage below poverty population / गरीबी रेखा से नीचे की आबादी का प्रतिशत
A	2:1	40%
B	3:2	55%
C	4:5	35%
D	8:7	60%
E	7:11	75%
F	22:23	80%

Q161. If the ratio of the number of males above poverty to number of males below poverty in B is 17: 7 and number of females above poverty to female below poverty in same town is 11:5. Find the difference between number of above poverty female to number of below poverty male in that town.

यदि B में गरीबी से ऊपर के पुरुषों की संख्या का गरीबी रेखा से नीचे के पुरुषों की संख्या का अनुपात 17:7 है और उसी शहर में गरीबी रेखा से ऊपर की महिलाओं की संख्या का गरीबी रेखा से नीचे की महिलाओं की संख्या से अनुपात 11:5 है। उस शहर में गरीबी रेखा से ऊपर की महिलाओं की संख्या और गरीबी रेखा से नीचे के पुरुषों की संख्या के बीच का अंतर ज्ञात कीजिए।

- (a) 521
 (b) 324
 (c) 287
 (d) 378
 (e) 412

Q162. Out of total population of above poverty in D, 55% are female and out of total population of below poverty in same town, 40% are male, then find the ratio between no of female below poverty to no of male above poverty in that town.

D में गरीबी रेखा से ऊपर की कुल जनसंख्या में से, 55% महिलाएं हैं और उसी शहर में गरीबी रेखा से नीचे की कुल जनसंख्या में से 40% पुरुष हैं, तो उस शहर में गरीबी से नीचे की महिलाओं की संख्या का गरीबी से ऊपर के पुरुषों की संख्या के बीच अनुपात ज्ञात कीजिए।

- (a) 2:1
 (b) 3:4
 (c) 4:7
 (d) 8:3
 (e) 5:6

Q163. If the ratio of the male to female below poverty in F is 17:10 and ratio of the female to male above poverty in E is 3:2. Then the no of female above poverty in E is approximately what percent no of male below poverty in F?

यदि F में गरीबी रेखा से नीचे पुरुष का महिला से अनुपात 17:10 है और E में गरीबी रेखा से ऊपर महिला का पुरुष से अनुपात 3:2 है। तो E में गरीबी रेखा से ऊपर की महिलाओं की संख्या, F में गरीबी रेखा से नीचे के पुरुषों की संख्या का लगभग कितना प्रतिशत है?

- (a) 50%
 (b) 12.5%
 (c) 40%
 (d) 20%
 (e) 33.33%

Q164. Find the difference between average no of female in A, C and D together to average no of male in B and F together.

A, C और D में मिलाकर महिलाओं की औसत संख्या और B और F में मिलाकर पुरुषों की औसत संख्या के बीच का अंतर ज्ञात कीजिए।

- (a) 50
- (b) 76/5
- (c) 76/3
- (d) 48
- (e) None of these

Q165. Total population of E and C below poverty together is approximately what % total population of B and D above poverty together.

E और C की गरीबी रेखा से नीचे की कुल जनसंख्या, B और D की गरीबी रेखा से ऊपर की कुल जनसंख्या का लगभग कितना प्रतिशत है।

- (a) 95%
- (b) 87.5%
- (c) 65%
- (d) 52%
- (e) 80%

Directions (166-170): Read the following information carefully and answer the questions given below.

निम्नलिखित जानकारी को ध्यानपूर्वक पढ़ें और नीचे दिए गए प्रश्नों के उत्तर दें।

In a school no of students speaking one or more than one language out of three (English, Hindi & French) and the number boys and girls in the school is equal. Out of total no of boys 15% speaking only Hindi. No of boys speaking only English and French is 40. Out of total no of girls speaking only French and Hindi 22% and no of girls speaking only French and English are 18%. Out of total no of boys speaking only Hindi and French is 20% and no of boys speaking all the three language is 10%. Number of girl speaking only English is equal to number of boys speaking all the three languages. Number of boys only speaking English is equal to number of girls speaking only Hindi. Number of girls speaking all the three languages is 20% of the total number of girls in that school. Number of boys speaking only English and Hindi is 50 and number of boys speaking only French is 15%. Number of girls speaking only English and Hindi is 5%. Total number of girls in the school is 300.

एक स्कूल में तीन (अंग्रेजी, हिंदी और फ्रेंच) में से एक या एक से अधिक भाषा बोलने वाले छात्रों की संख्या तथा स्कूल में लड़कों और लड़कियों की संख्या बराबर है। लड़कों की कुल संख्या में से 15% केवल हिंदी

बोलने वाले हैं। केवल अंग्रेजी और फ्रेंच बोलने वाले लड़कों की संख्या 40 है। केवल फ्रेंच और हिंदी बोलने वाली लड़कियों की कुल संख्या में से 22% और केवल फ्रेंच और अंग्रेजी बोलने वाली लड़कियों की संख्या 18% है। केवल हिंदी और फ्रेंच बोलने वाले लड़कों की कुल संख्या 20% है और तीनों भाषा बोलने वाले लड़कों की संख्या 10% है। केवल अंग्रेजी बोलने वाली लड़कियों की संख्या तीनों भाषाएं बोलने वाले लड़कों की संख्या के बराबर है। केवल अंग्रेजी बोलने वाले लड़कों की संख्या केवल हिंदी बोलने वाली लड़कियों की संख्या के बराबर है। तीनों भाषाएं बोलने वाली लड़कियों की संख्या उस स्कूल में लड़कियों की कुल संख्या का 20% है। केवल अंग्रेजी और हिंदी बोलने वाले लड़कों की संख्या 50 है और केवल फ्रेंच बोलने वाले लड़कों की संख्या 15% है। केवल अंग्रेजी और हिंदी बोलने वाली लड़कियों की संख्या 5% है। स्कूल में लड़कियों की कुल संख्या 300 है।

Q166. The no of girls speaking only English is what % no of girls speaking only French?

केवल अंग्रेजी बोलने वाली लड़कियों की संख्या केवल फ्रेंच बोलने वाली लड़कियों की संख्या का कितना % है?

- (a) $66\frac{2}{3}\%$
- (b) 32.5%
- (c) 50%
- (d) 25%
- (e) 33.33%

Q167. Find the difference between no of girls speaking only Hindi and English to no of boys speaking only English and French.

केवल हिंदी और अंग्रेजी बोलने वाली लड़कियों की संख्या और केवल अंग्रेजी और फ्रेंच बोलने वाले लड़कों की संख्या के बीच का अंतर ज्ञात कीजिए।

- (a) 65
- (b) 40
- (c) 25
- (d) 20
- (e) 35

Q168. Find the total no of boys speaking English.

अंग्रेजी बोलने वाले लड़कों की कुल संख्या ज्ञात कीजिए।

- (a) 105
- (b) 120
- (c) 155
- (d) 225
- (e) 150

Q169. Find the average no of girls speaking only Hindi and no of boys speaking only English together.

केवल हिंदी बोलने वाली लड़कियों की औसत संख्या और केवल अंग्रेजी बोलने वाले लड़कों की औसत संख्या ज्ञात कीजिए।

- (a) 35
(b) 50
(c) 40
(d) 30
(e) 20

Q170. What is the total no of boys and girls who speaking all the three languages?

तीनों भाषाएं बोलने वाले लड़कों और लड़कियों की कुल संख्या कितनी है?

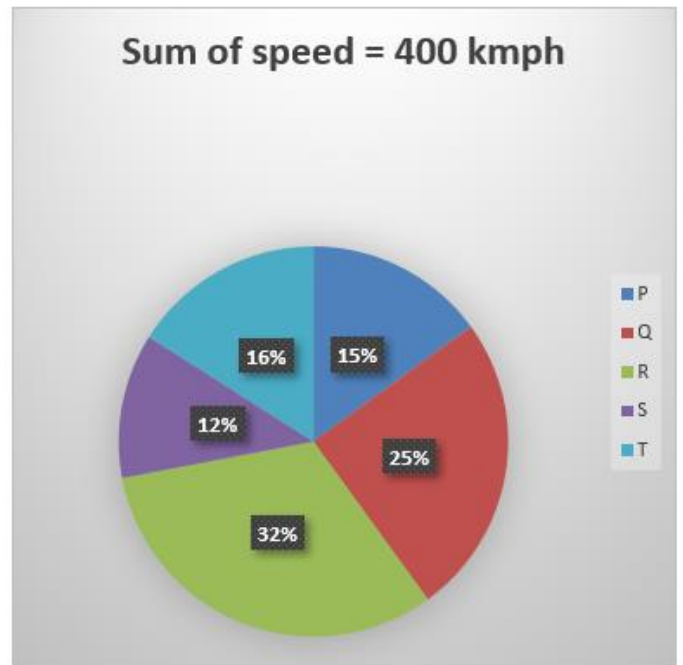
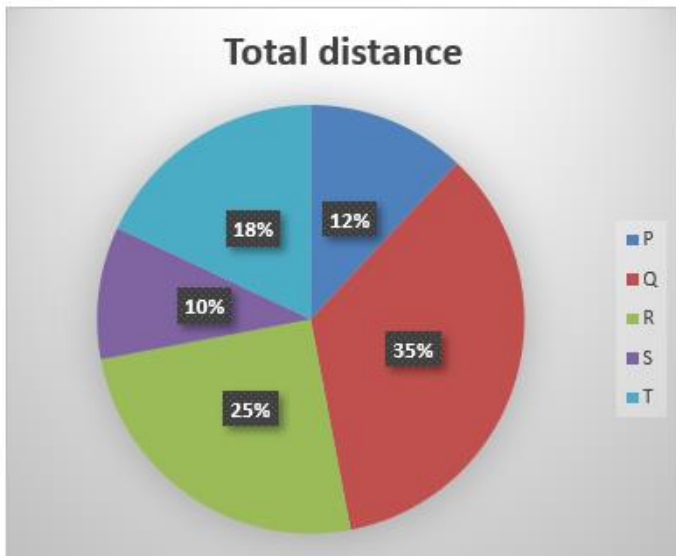
- (a) 60
(b) 90
(c) 120
(d) 80
(e) 75

Directions (171-175): Read the following pie charts carefully and answer the questions given below.

निम्नलिखित पाई सारिणी को ध्यानपूर्वक पढ़ें और नीचे दिए गए प्रश्नों के उत्तर दें।

Pie chart I shows percentage of distance travelled by fives (P, Q, R, S & T) trains and pie chart II shows percentage of the speed of five different trains.

पाई सारिणी I पांच ट्रेनों (P, Q, R, S और T) द्वारा तय की गई दूरी का प्रतिशत दिखाता है और पाई सारिणी II पांच अलग-अलग ट्रेनों की गति का प्रतिशत दिखाता है।



Q171. The time taken by train P to complete whole journey in 3 hours, then how much time taken by train S to complete whole journey.

ट्रेन P द्वारा पूरी यात्रा तय करने में लिया गया समय 3 घंटे है, तो ट्रेन S द्वारा पूरी यात्रा को तय करने में कितना समय लगता है।

- (a) 4 hours 7.5 min.
4 घंटे 7.5 मिनट
(b) 3 hours 2.5 min.
3 घंटे 2.5 मिनट
(c) 5 hours 7.5 min.
5 घंटे 7.5 मिनट
(d) 3 hours 7.5 min.
3 घंटे 7.5 मिनट
(e) 4 hours 4.5 min.
4 घंटे 4.5 मिनट

Q172. If train T covers 1188 km, then what is the difference between time taken by train S to train P to complete whole journey?

यदि ट्रेन T 1188 किमी की दूरी तय करती है, तो ट्रेन S और ट्रेन P को पूरी यात्रा तय करने में लगने वाले समय के बीच का अंतर कितना है?

- (a) 3 hours 15 min.
3 घंटे 15 मिनट
(b) 2 hours 55 min.
2 घंटे 55 मिनट
(c) 2 hours 45 min.
2 घंटे 45 मिनट
(d) 5 hours 15 min.
5 घंटे 15 मिनट
(e) 6 hours 35 min.
6 घंटे 35 मिनट

Q173. If the distance travelled by train Q is 100 km more than that of train R, then find the time taken by train T to cover whole journey.

यदि ट्रेन Q द्वारा तय की गई दूरी ट्रेन R से 100 किमी अधिक है, तो ट्रेन T द्वारा पूरी यात्रा को तय करने में लिया गया समय ज्ञात कीजिए।

- (a) 2 hours / घंटे
 (b) $2\frac{15}{16}$ hours / घंटे
 (c) $3\frac{13}{16}$ hours / घंटे
 (d) 5 hours / घंटे
 (e) $2\frac{13}{16}$ hours / घंटे

Q174. If the distance travelled by train S is 1400 km, what is the total time taken by train T and train R to cover whole journey?

यदि ट्रेन S द्वारा तय की गई दूरी 1400 किमी है, तो ट्रेन T और ट्रेन R द्वारा पूरी यात्रा को पूरा करने में लिया गया कुल समय कितना है?

- (a) $\frac{2135}{32}$ hours/घंटे
 (b) $\frac{3135}{32}$ hours/घंटे
 (c) $\frac{2135}{17}$ hours/घंटे
 (d) $\frac{2135}{22}$ hours/घंटे
 (e) $\frac{1235}{32}$ hours/घंटे

Q175. If the train P to cover whole journey in 4 hours, then find the ratio between time taken by train Q to train R to cover whole journey?

यदि ट्रेन P पूरी यात्रा को 4 घंटे में तय करती है, तो ट्रेन Q और ट्रेन R द्वारा पूरी यात्रा को तय करने में लगने वाले समय के बीच का अनुपात ज्ञात कीजिये?

- (a) 224:127
 (b) 224:125
 (c) 223:125
 (d) 224:225
 (e) None of these
 इनमें से कोई नहीं

Q176. Three pipes A, B, C when opened alternatively for one minute each, can fill a tank in 18 minutes. Time taken by A alone is five minutes more than B and C take together. Find the time taken by B alone to fill the tank, if C is 20% less efficient than B.

तीन पाइप A, B, C जब एक-एक मिनट के लिए वैकल्पिक रूप से खोले जाते हैं, तो एक टैंक को 18 मिनट में भर सकते हैं। A द्वारा अकेले लिया गया समय B और C द्वारा एकसाथ लिए गए समय से पांच मिनट अधिक है। टैंक को भरने के लिए अकेले B द्वारा लिया गया समय ज्ञात कीजिए, यदि C, B से 20% कम कुशल/दक्ष है।

- (a) 16 minutes / मिनट
 (b) $22\frac{1}{2}$ minutes / मिनट
 (c) 18 minutes / मिनट
 (d) 15 minutes / मिनट
 (e) 27.5 minutes / मिनट

Q177. A man bought 40 items at the rate of Rs 20/each. He sold x of them at the 20% profit and Y of them at the 25 % profit. Profit is Rs 147 when he calculates profit on sold items and Rs 7 when he calculates on overall items. Find number of items sold on profit of 20%?

एक आदमी ने 20 रुपये प्रति की दर से 40 वस्तुएँ खरीदीं। उसने उनमें से x को 20% लाभ पर और Y को 25% लाभ पर बेचा। जब वह बेची गई वस्तुओं पर लाभ की गणना करता है तो लाभ 147 रुपये होता है और जब वह समग्र वस्तुओं पर गणना करता है तो 7 रुपये होता है। 20% के लाभ पर बेची गई वस्तुओं की संख्या ज्ञात कीजिए?

- (a) 15
 (b) 16
 (c) 18
 (d) 21
 (e) 28

Q178. A man bought two articles at different cost price and sold them, first at 12.5% profit and second at profit of 20%. The selling price of both the items is same and difference of profit earn on both is Rs 10. Find the total cost price of both articles (in Rs.)?

एक व्यक्ति ने दो वस्तुओं को अलग-अलग लागत मूल्य पर खरीदा और उन्हें पहली को 12.5% लाभ पर और दूसरी 20% के लाभ पर बेच दी। दोनों वस्तुओं का विक्रय मूल्य समान है और दोनों पर अर्जित लाभ का अंतर 10 रुपये है। दोनों वस्तुओं का कुल लागत मूल्य (रु में) ज्ञात कीजिए?

- (a) 280
 (b) 300
 (c) 310
 (d) 320
 (e) 350

Q179. Distance between Delhi and Jaipur is 300 km. Aman starts from Delhi and Rajiv from Jaipur at same time. After two hours, Aman realized he was travelling slow and therefore increased his speed by 25% and meet Rajiv at a point 108 km from Delhi. Find the increased speed of Aman, if Rajiv derived at a constant speed of 75 km/hr.

दिल्ली और जयपुर के बीच की दूरी 300 किमी है। अमन दिल्ली से और राजीव जयपुर से एक ही समय पर चलना शुरू करता है। दो घंटे के बाद, अमन ने महसूस किया कि वह धीमी गति से यात्रा कर रहा है और इसलिए उसने अपनी गति 25% बढ़ा दी और राजीव से दिल्ली से 108 किमी दूर एक बिंदु पर मिला। अमन की बढ़ी हुई गति ज्ञात कीजिए, यदि राजीव 75 किमी/घंटा की एकसमान गति से चलता है।

- (a) 40 km/hr किमी/घंटा
- (b) 50 km/hr किमी/घंटा
- (c) 60 km/hr किमी/घंटा
- (d) 55 km/hr किमी/घंटा
- (e) 65 km/hr किमी/घंटा

Q180. Difference between sum of three consecutive even numbers is 39 more than the sum of three consecutive odd number. If sum of smallest odd number and largest even number is 59 then find the sum of all six numbers.

तीन क्रमागत सम संख्याओं के योग का अंतर तीन क्रमागत विषम संख्याओं के योग से 39 अधिक है। यदि सबसे छोटी विषम संख्या और सबसे बड़ी सम संख्या का योग 59 है तो सभी छह संख्याओं का योग ज्ञात कीजिए।

- (a) 175
- (b) 170
- (c) 167
- (d) 177
- (e) 155

Q181. A container contained 80 kg of milk. From this container, 8 kg of mixture was taken out and replaced by water. This process was further repeated two times. How much milk is now contained by the container?

एक कंटेनर में 80 किलो दूध था। इस कंटेनर से 8 किग्रा मिश्रण निकाल कर उसके स्थान पर पानी डाल दिया गया। इस प्रक्रिया को आगे दो बार दोहराया गया। कंटेनर में अब कितना दूध है?

- (a) 48 kg / किग्रा
- (b) 56 kg / किग्रा
- (c) 58.32 kg / किग्रा
- (d) 59.46 kg / किग्रा
- (e) None of these / इनमें से कोई नहीं

Q182. A's income is 25% more than B's income, B's income 10% less than C's income and C's income is 30% less than D's income. If average income of all four is 15587.5 Rs then find the income B. (in Rs)

A की आय B की आय से 25% अधिक है, B की आय C की आय से 10% कम है और C की आय D की आय से 30% कम है। यदि चारों की औसत आय 15587.5 रुपये है, तो आय B ज्ञात कीजिए। (रुपये में)

- (a) 12600
- (b) 2000
- (c) 14000
- (d) 15250
- (e) 18000

Q183. 'A' and 'B' starts a business together. B's investment is 30% more than that of 'A' while B invested 2 months more than that of 'A'. If out of total profit of Rs1845, A got Rs 675 then the time for 'B' invested?

'A' और 'B' एक साथ एक व्यवसाय शुरू करते हैं। B का निवेश 'A' से 30% अधिक है जबकि B ने 'A' से 2 महीने अधिक निवेश किया है। यदि 1845 रुपये के कुल लाभ में से, A को 675 रुपये मिलते हैं, तो 'B' द्वारा निवेश किया गया समय?

- (a) 10 months / महीने
- (b) 12 months / महीने
- (c) 6 months / महीने
- (d) 4 months / महीने
- (e) 8 months / महीने

Q184. Sunny bought two articles A and B. Ratio between cost price of article A to article B is 4 : 5. He marked article 'A' 150% above its cost price and give 40% discount at the time of selling. If profit earned on both article and mark price of both article is same, then find discount given on article 'B'?

सनी ने दो वस्तुएँ A और B खरीदी। वस्तु A और वस्तु B के बीच क्रय मूल्य का अनुपात 4:5 है। उसने वस्तु 'A' पर उसके क्रय मूल्य से 150% अधिक अंकित किया और बेचने के समय 40% की छूट दी। यदि वस्तु पर अर्जित लाभ और दोनों वस्तुओं का अंकित मूल्य समान है, तो वस्तु 'B' पर दी गई छूट ज्ञात कीजिए।

- (a) 25%
- (b) 35%
- (c) 40%
- (d) 30%
- (e) 20%

Q185. A man invested his total savings in two parts. He invested Rs 30000/- in a scheme which offers compound interest annually at rate of interest of 10% per annum and remaining in Simple Interest at rate of interest of 5% per half year. After two years the amount obtained by him in former scheme is half of later, then calculate amount invested in later scheme.

एक व्यक्ति ने अपनी कुल बचत को दो भागों में निवेश किया। उसने एक ऐसी योजना में 30000/- रुपये का निवेश किया, जो 10% प्रति वर्ष की दर से चक्रवृद्धि ब्याज की पेशकश करती है और शेष बचत को 5% प्रति छमाही की दर से साधारण ब्याज की दर से निवेश करता है। दो वर्ष बाद पूर्व योजना में उसके द्वारा प्राप्त राशि, बाद की योजना की आधी है, तो बाद की योजना में निवेश की गई राशि की गणना करें।

- (a) Rs. 242000 / रुपये
 (b) Rs. 60500 / रुपये
 (c) Rs. 12100 / रुपये
 (d) Rs. 80525 / रुपये
 (e) None of these / इनमें से कोई नहीं

Q186. Point A to Point B is a downstream journey of 300 km on a stream which flows at a speed of 5 km/hr. Two boats P and Q starts from point A and Point B respectively with speed of 25 km/hr and 15 km/hr in still water. After reaching the opposite point they return to their starting points, find after how much time will they meet second time?

एक धारा पर बिंदु A से बिंदु B 300 किमी की दिशा में यात्रा है जो 5 किमी/घंटा की गति से बहती है। दो नावें P और Q, बिंदु A और बिंदु B से शांत जल में क्रमशः 25 किमी/घंटा और 15 किमी/घंटा की गति से चलना शुरू करती हैं। विपरीत बिंदु पर पहुंचने के बाद वे अपने शुरुआती बिंदु पर लौटते हैं, ज्ञात करें कि वे दूसरी बार कितने समय बाद मिलेंगे?

- (a) 7.5hour / घंटे
 (b) 15hour / घंटे
 (c) 20hour / घंटे
 (d) 10hour / घंटे
 (e) None of these / इनमें से कोई नहीं

Q187. Ratio of height of cylinder to that of diameter is 2:3. This cylinder is formed by melting a sphere having same radius as the radius of circle. Ratio of magnitude of area of circle to magnitude of its circumference is 21:2. Find height of cylinder.

बेलन की ऊँचाई और व्यास का अनुपात 2:3 है। यह बेलन वृत्त की त्रिज्या के समान त्रिज्या वाले गोले को पिघलाकर बनाया गया है। वृत्त के क्षेत्रफल के परिमाण और उसकी परिधि के परिमाण से अनुपात 21:2 है। बेलन की ऊँचाई ज्ञात कीजिए।

- (a) 14 units / इकाई
 (b) 21 units / इकाई
 (c) 42 units / इकाई
 (d) 28 units / इकाई
 (e) 35 units / इकाई

Q188. A train 75 meters long overtake a person who walking at the speed of 6 km/hr in opposite direction and passed him in $15/2$ sec subsequently, it overtakes a second person, walking in same direction as the first person and passed him in $27/4$ sec then find speed of second person?

75 मीटर लंबी एक ट्रेन विपरीत दिशा में 6 किमी/घंटा की गति से चलने वाले व्यक्ति से आगे निकल जाती है और बाद में उसे $15/2$ सेकंड में पार कर जाती है, यह पहले व्यक्ति के समान दिशा में चलते हुए दूसरे व्यक्ति से आगे निकल जाती है और उसे $27/4$ सेकंड में पार कर जाती है। तो दूसरे व्यक्ति की गति ज्ञात कीजिये?

- (a) 15 km/hr किमी / घंटा
 (b) 10 km/hr किमी / घंटा
 (c) 18 km/hr किमी / घंटा
 (d) 20 km/hr किमी / घंटा
 (e) 8 km/hr किमी / घंटा

Directions (189-191): In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer

इनमें से प्रत्येक प्रश्न में दो समीकरण (I) और (II) दिए गए हैं। आपको दोनों समीकरणों को हल करना है और उत्तर देना है

Q189.

I. $x^2 + x - 12 = 0$

II. $y^2 - 8y + 15 = 0$

(a) if $x > y$

यदि $x > y$

(b) if $x \geq y$

यदि $x \geq y$

(c) if $x < y$

यदि $x < y$

(d) if $x \leq y$

यदि $x \leq y$

(e) if $x = y$ or no relation can be established between x and y . यदि $x = y$ या x और y के बीच कोई संबंध स्थापित नहीं किया जा सकता है।

Q190.

I. $20x^2 - 17x + 3 = 0$

II. $56y^2 + 2y - 4 = 0$

(a) if $x > y$

यदि $x > y$

(b) if $x \geq y$

यदि $x \geq y$

(c) if $x < y$

यदि $x < y$

(d) if $x \leq y$

यदि $x \leq y$

(e) if $x = y$ or no relation can be established between x and y . यदि $x = y$ या x और y के बीच कोई संबंध स्थापित नहीं किया जा सकता है।

Q191.

I. $28x^2 + x - 15 = 0$

II. $21y^2 - 17y - 30 = 0$

(a) if $x > y$

यदि $x > y$

(b) if $x \geq y$

यदि $x \geq y$

(c) if $x < y$

यदि $x < y$

(d) if $x \leq y$

यदि $x \leq y$

(e) if $x = y$ or no relation can be established between x and y . यदि $x = y$ या x और y के बीच कोई संबंध स्थापित नहीं किया जा सकता है।

Directions (192-196): What will come at the place of question mark (?) in the following questions?

निम्नलिखित प्रश्नों में प्रश्नचिह्न (?) के स्थान पर क्या आयेगा?

Q192. 7, 14, 42, 210, ?, 16170

(a) 1630

(b) 1540

(c) 1760

(d) 1470

(e) 1980

Q193. 1600, 1595, ?, 1580, 1540, 1220

(a) 1590

(b) 1594

(c) 1587

(d) 1589

(e) 1592

Q194. 789, 790, ?, 825, 889, 1014

(a) 807

(b) 814

(c) 798

(d) 820

(e) 800

Q195. 4, 7, 15, 30, 54, ?

(a) 79

(b) 89

(c) 62

(d) 98

(e) 112

Q196. 1811, 1792, 1775, ?, 1751, 1744

(a) 1771

(b) 1763

(c) 1756

(d) 1767

(e) 1762

Directions (197-200): What approximate value should come in place of question mark (?) in the following questions?

निम्नलिखित प्रश्नों में प्रश्नचिह्न (?) के स्थान पर लगभग क्या मान आना चाहिए?

Q197. $44.04 \div 3.97 \times 7.49 \div 2.54 + 3 = \sqrt{?}$

(a) 6

(b) 36

(c) 24

(d) 1296

(e) 216

Q198. $\sqrt{37.54\% \text{ of } 400.08 + 75.07\% \text{ of } 59.92} = ?$

(a) 7

(b) 14

(c) 49

(d) 98

(e) 196

Q199. $(9.01)^3 + (7.94)^3 + 5.12 \times 17.95 = ?^3$

(a) 11

(b) 15

(c) 13

(d) 10

(e) 14

Q200. $62.01\% \text{ of } ? + (24.04)^2 = (30.99)^2 - \sqrt{169.01}$

(a) 660

(b) 600

(c) 640

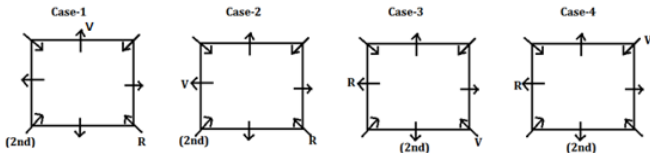
(d) 720

(e) 780

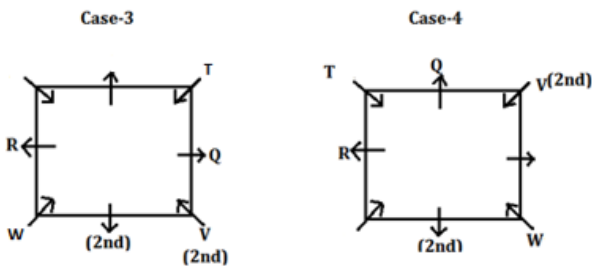


S1. Ans.(b)

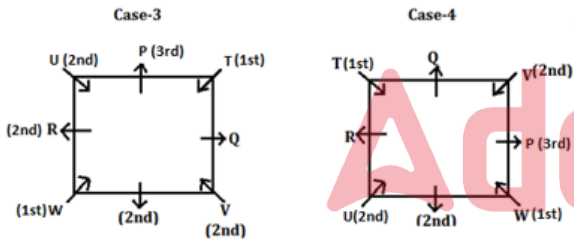
Sol. By using given condition, R sits second to the right of the one who lives on second floor. Only two persons sit between R and V who lives on second floor. There are four possible cases-



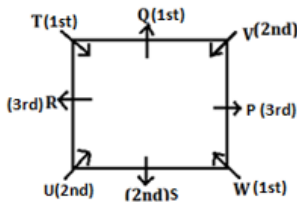
Q lives on an odd numbered floor and sits third to the left of the one who sits second to the left of W. T and W facing each other and lives on same numbered floor. T lives on an odd numbered floor. By using this condition case-1 and case-2 will be eliminated.



P live on third floor and is not an immediate neighbour of R. U sits second to the right of the one who lives on first floor and immediate right of the one who lives on second floor. U lives an even numbered floor.

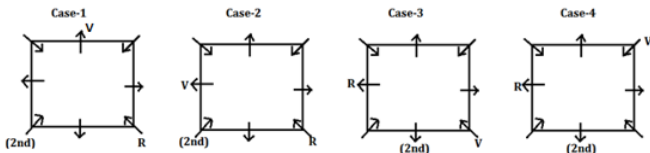


R sits second to the left of the one who lives on first floor. This will eliminate Case 3. So, the final arrangement is-

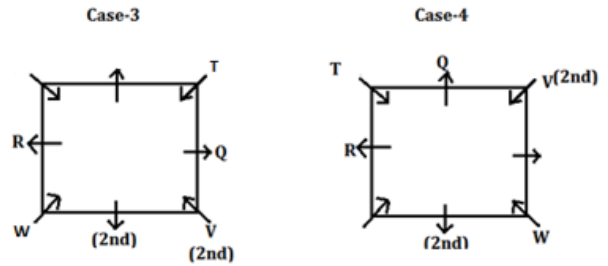


S2. Ans.(e)

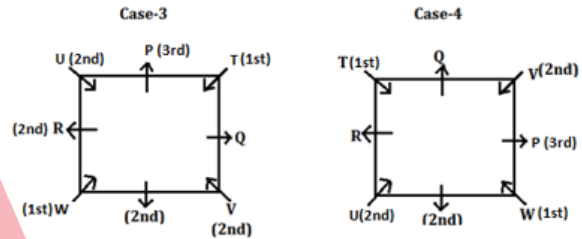
Sol. By using given condition, R sits second to the right of the one who lives on second floor. Only two persons sit between R and V who lives on second floor. There are four possible cases-



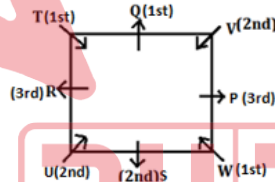
Q lives on an odd numbered floor and sits third to the left of the one who sits second to the left of W. T and W facing each other and lives on same numbered floor. T lives on an odd numbered floor. By using this condition case-1 and case-2 will be eliminated.



P live on third floor and is not an immediate neighbour of R. U sits second to the right of the one who lives on first floor and immediate right of the one who lives on second floor. U lives an even numbered floor.

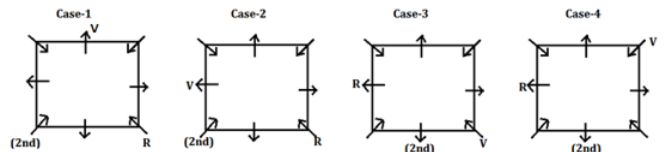


R sits second to the left of the one who lives on first floor. This will eliminate Case 3. So, the final arrangement is-

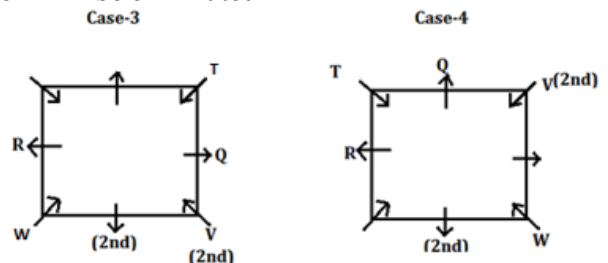


S3. Ans.(d)

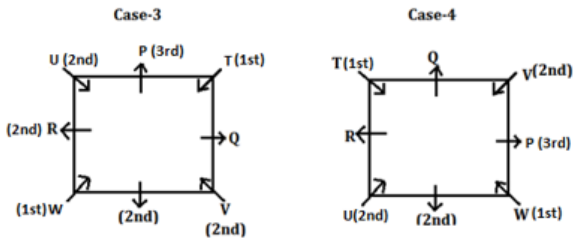
Sol. By using given condition, R sits second to the right of the one who lives on second floor. Only two persons sit between R and V who lives on second floor. There are four possible cases-



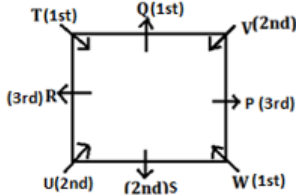
Q lives on an odd numbered floor and sits third to the left of the one who sits second to the left of W. T and W facing each other and lives on same numbered floor. T lives on an odd numbered floor. By using this condition case-1 and case-2 will be eliminated.



P live on third floor and is not an immediate neighbour of R. U sits second to the right of the one who lives on first floor and immediate right of the one who lives on second floor. U lives an even numbered floor.

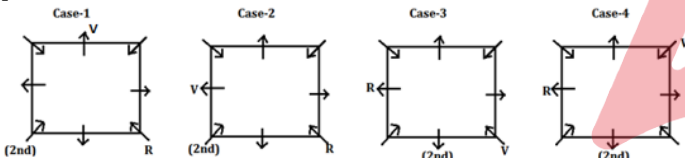


R sits second to the left of the one who lives on first floor. This will eliminate Case 3. So, the final arrangement is-

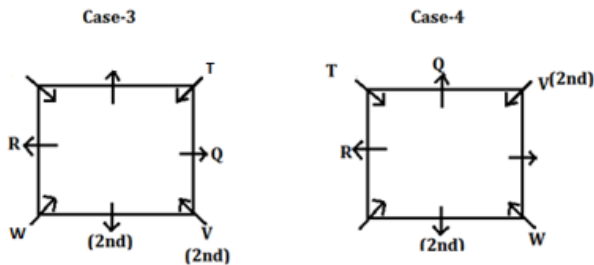


S4. Ans.(c)

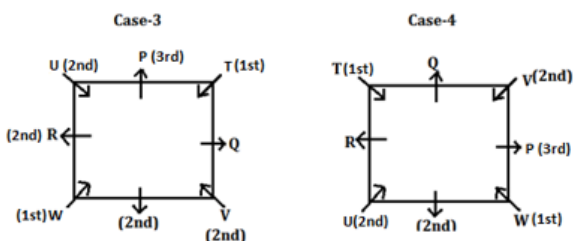
Sol. By using given condition, R sits second to the right of the one who lives on second floor. Only two persons sit between R and V who lives on second floor. There are four possible cases-



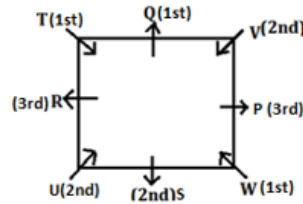
Q lives on an odd numbered floor and sits third to the left of the one who sits second to the left of W. T and W facing each other and lives on same numbered floor. T lives on an odd numbered floor. By using this condition case-1 and case-2 will be eliminated.



P live on third floor and is not an immediate neighbour of R. U sits second to the right of the one who lives on first floor and immediate right of the one who lives on second floor. U lives an even numbered floor.

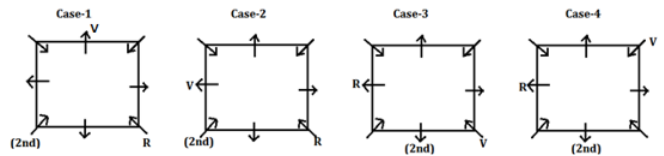


R sits second to the left of the one who lives on first floor. This will eliminate Case 3. So, the final arrangement is-

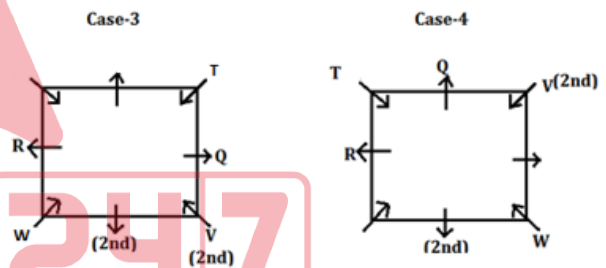


S5. Ans.(c)

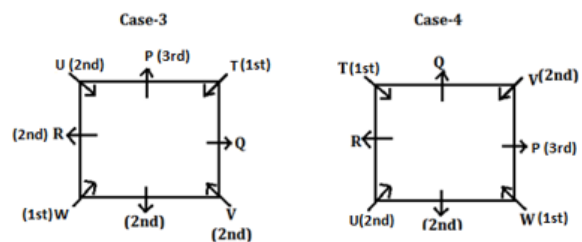
Sol. By using given condition, R sits second to the right of the one who lives on second floor. Only two persons sit between R and V who lives on second floor. There are four possible cases-



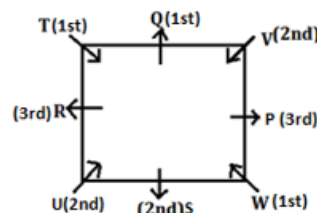
Q lives on an odd numbered floor and sits third to the left of the one who sits second to the left of W. T and W facing each other and lives on same numbered floor. T lives on an odd numbered floor. By using this condition case-1 and case-2 will be eliminated.



P live on third floor and is not an immediate neighbour of R. U sits second to the right of the one who lives on first floor and immediate right of the one who lives on second floor. U lives an even numbered floor.



R sits second to the left of the one who lives on first floor. This will eliminate Case 3. So, the final arrangement is-



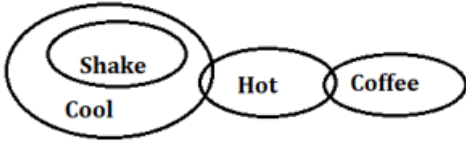
S6. Ans.(a)

Sol.



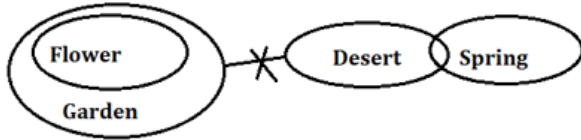
S7. Ans.(c)

Sol.



S8. Ans.(a)

Sol.



S9. Ans.(a)

Sol. I. $D > A$ (false)

II. $G = D$ (false)

III. $D < G$ (false)

S10. Ans.(d)

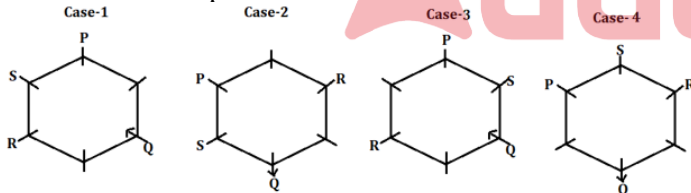
Sol. I. $T > S$ (true)

II. $P < T$ (true)

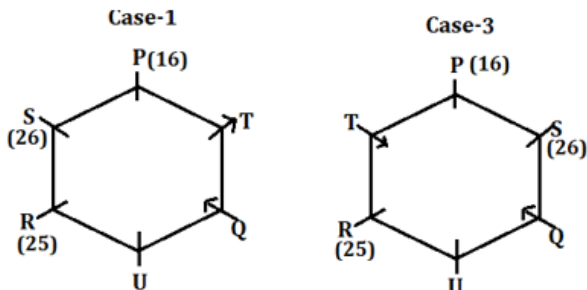
III. $Y \geq P$ (true)

S11. Ans.(a)

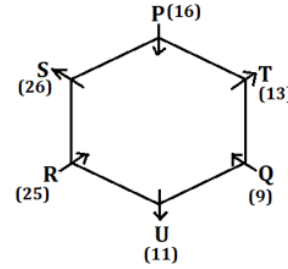
Sol. P sits second to the right of Q. S is an immediate neighbor of P. R neither an immediate neighbor of Q nor P. There are four possibilities.



U sits second to the right of T. The one who has 16 toys is an immediate neighbor of T. S has 10 more toys to P. There is only possibility S has 26 toys and P has 16 toys. R has number of toys which is square of a number. That means R has 25 toys. The difference between the number of toys of immediate neighbours of T is not more than 7. From this condition case-2 and case-4 will be eliminated.

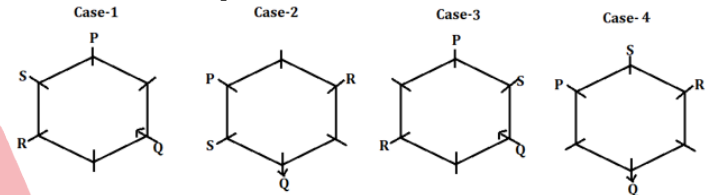


Immediate neighbors of P are facing same directions. T has 2 toys more than U. The difference between the number of toys between P and the one who sits opposite to P is 5. R faces T. From this condition case-3 will be eliminated. P and U does not faces each other. The final arrangement is-

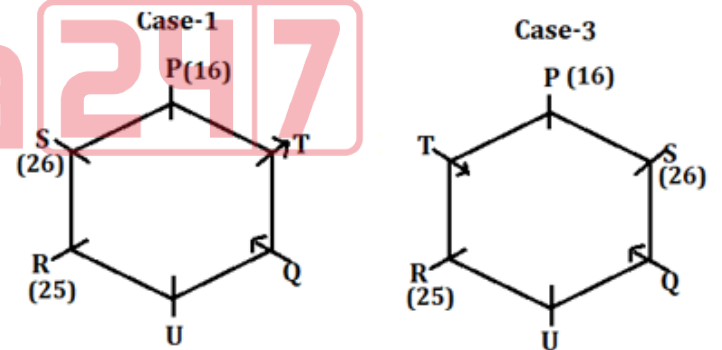


S12. Ans.(b)

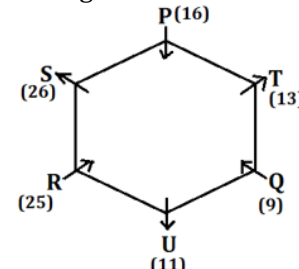
Sol. P sits second to the right of Q. S is an immediate neighbor of P. R neither an immediate neighbor of Q nor P. There are four possibilities.



U sits second to the right of T. The one who has 16 toys is an immediate neighbor of T. S has 10 more toys to P. There is only possibility S has 26 toys and P has 16 toys. R has number of toys which is square of a number. That means R has 25 toys. The difference between the number of toys of immediate neighbours of T is not more than 7. From this condition case-2 and case-4 will be eliminated.

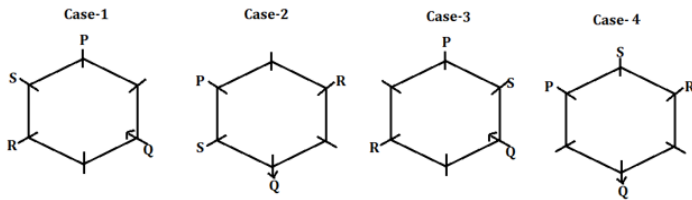


Immediate neighbors of P are facing same directions. T has 2 toys more than U. The difference between the number of toys between P and the one who sits opposite to P is 5. R faces T. From this condition case-3 will be eliminated. P and U does not faces each other. The final arrangement is-

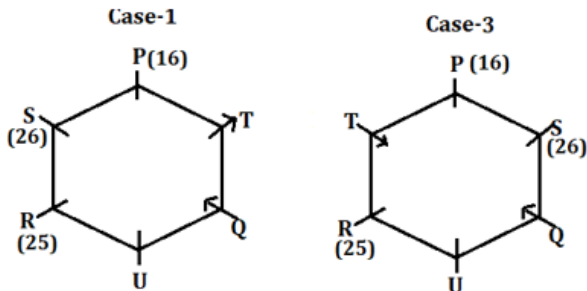


S13. Ans.(c)

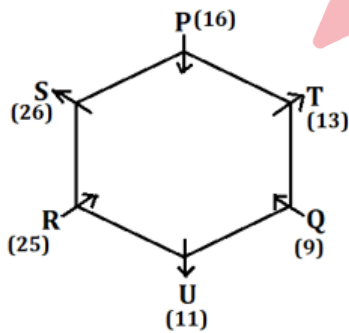
Sol. P sits second to the right of Q. S is an immediate neighbor of P. R neither an immediate neighbor of Q nor P. There are four possibilities.



U sits second to the right of T. The one who has 16 toys is an immediate neighbor of T. S has 10 more toys to P. There is only possibility S has 26 toys and P has 16 toys. R has number of toys which is square of a number. That means R has 25 toys. The difference between the number of toys of immediate neighbours of T is not more than 7. From this condition case-2 and case-4 will be eliminated.

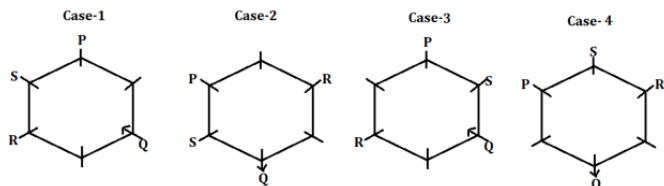


Immediate neighbors of P are facing same directions. T has 2 toys more than U. The difference between the number of toys between P and the one who sits opposite to P is 5. R faces T. From this condition case-3 will be eliminated. P and U does not faces each other. The final arrangement is-

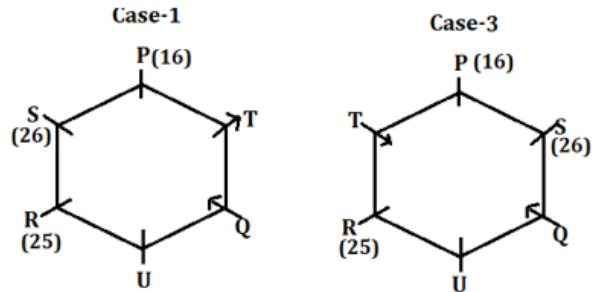


S14. Ans.(d)

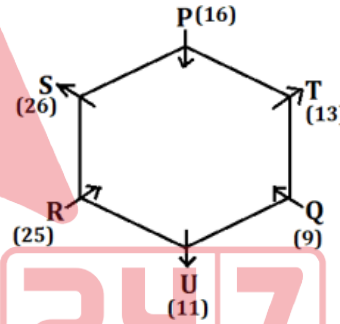
Sol. P sits second to the right of Q. S is an immediate neighbor of P. R neither an immediate neighbor of Q nor P. There are four possibilities.



U sits second to the right of T. The one who has 16 toys is an immediate neighbor of T. S has 10 more toys to P. There is only possibility S has 26 toys and P has 16 toys. R has number of toys which is square of a number. That means R has 25 toys. The difference between the number of toys of immediate neighbours of T is not more than 7. From this condition case-2 and case-4 will be eliminated.

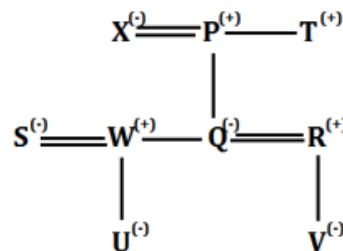


Immediate neighbors of P are facing same directions. T has 2 toys more than U. The difference between the number of toys between P and the one who sits opposite to P is 5. R faces T. From this condition case-3 will be eliminated. P and U does not faces each other. The final arrangement is-



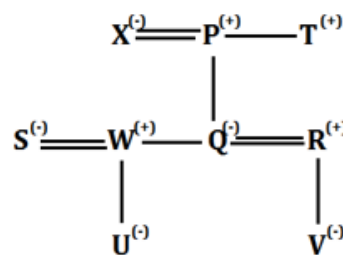
S15. Ans.(b)

Sol.



S16. Ans.(b)

Sol.



S17. Ans.(c)**Sol.** The given alphanumeric series is---A Z 1 P % K & M 7 9 @ 8 X E 5 B \$ * G S 4 6 R
© U # N Q 2 € H 3

Step I: The alphabets that are immediately followed by a symbol and immediately preceded by a number are arranged in the end of the series in alphabetical order. (They are arranged just after 3)

A Z 1 % K & M 7 9 @ 8 X E 5 \$ * G S 4 6 © U # N Q 2 € H 3 B P R

Step II: The symbol that are immediately preceded and immediately followed by the alphabets are arranged between 4 and 6 (in the same order as they appears in given series).

A Z 1 % K M 7 9 @ 8 X E 5 \$ * G S 4 & # 6 © U N Q 2 € H 3 B P R

Step III: The numbers that are immediately followed by a symbol is arranged between P and R in ascending order.

A Z % K M 7 @ 8 X E \$ * G S & # © U N Q € H 3 B P 1 2 4 5 6 9 R

S18. Ans.(a)**Sol.** The given alphanumeric series is---A Z 1 P % K & M 7 9 @ 8 X E 5 B \$ * G S 4 6 R
© U # N Q 2 € H 3

Step I: The alphabets that are immediately followed by a symbol and immediately preceded by a number are arranged in the end of the series in alphabetical order. (They are arranged just after 3)

A Z 1 % K & M 7 9 @ 8 X E 5 \$ * G S 4 6 © U # N Q 2 € H 3 B P R

Step II: The symbol that are immediately preceded and immediately followed by the alphabets are arranged between 4 and 6 (in the same order as they appears in given series).

A Z 1 % K M 7 9 @ 8 X E 5 \$ * G S 4 & # 6 © U N Q 2 € H 3 B P R

Step III: The numbers that are immediately followed by a symbol is arranged between P and R in ascending order.

A Z % K M 7 @ 8 X E \$ * G S & # © U N Q € H 3 B P 1 2 4 5 6 9 R

S19. Ans.(b)**Sol.** The given alphanumeric series is---A Z 1 P % K & M 7 9 @ 8 X E 5 B \$ * G S 4 6 R
© U # N Q 2 € H 3

Step I: The alphabets that are immediately followed by a symbol and immediately preceded by a number are arranged in the end of the series in alphabetical order. (They are arranged just after 3)

A Z 1 % K & M 7 9 @ 8 X E 5 \$ * G S 4 6 © U # N Q 2 € H 3 B P R

Step II: The symbol that are immediately preceded and immediately followed by the alphabets are arranged between 4 and 6 (in the same order as they appears in given series).

A Z 1 % K M 7 9 @ 8 X E 5 \$ * G S 4 & # 6 © U N Q 2 € H 3 B P R

Step III: The numbers that are immediately followed by a symbol is arranged between P and R in ascending order.

A Z % K M 7 @ 8 X E \$ * G S & # © U N Q € H 3 B P 1 2 4 5 6 9 R

S20. Ans.(e)**Sol.** The given alphanumeric series is---A Z 1 P % K & M 7 9 @ 8 X E 5 B \$ * G S 4 6 R
© U # N Q 2 € H 3

Step I: The alphabets that are immediately followed by a symbol and immediately preceded by a number are arranged in the end of the series in alphabetical order. (They are arranged just after 3)

A Z 1 % K & M 7 9 @ 8 X E 5 \$ * G S 4 6 © U # N Q 2 € H 3 B P R

Step II: The symbol that are immediately preceded and immediately followed by the alphabets are arranged between 4 and 6 (in the same order as they appears in given series).

A Z 1 % K M 7 9 @ 8 X E 5 \$ * G S 4 & # 6 © U N Q 2 € H 3 B P R

Step III: The numbers that are immediately followed by a symbol is arranged between P and R in ascending order.

A Z % K M 7 @ 8 X E \$ * G S & # © U N Q € H 3 B P 1 2 4 5 6 9 R

S21. Ans.(b)**Sol.** Three persons live between the one who likes Pineapple and P who lives on an odd number floor. The one who likes Grapes live just above P's floor. One floor is between the one who likes Pineapple and U, who does not live just below or above floor of the one who likes Grapes. There are three possibilities.

Floor	Case-1		Case-2		Case-3	
	Persons	Fruits	Persons	Fruits	Persons	Fruits
8						Grapes
7	U				P	
6				Grapes		
5		Pineapple	P		U/	
4						
3			U			Pineapple
2		Grapes				
1	P			Pineapple	U/	

W likes Pomegranate and lives one of the odd number floors. Four persons live between W and the one who likes Plum. W does not live at 7th floor. From these conditions, case-2 will be eliminated. Three persons live between R and T who likes Papaya and both of them live on an even number floor. R lives above the one who likes Pineapple.

	Case-1		Case-3	
Floor	Persons	Fruits	Persons	Fruits
8	R	Plum	R/	Grapes
7	U		P	
6			R/	Plum
5		Pineapple	U	
4	T	Papaya	T/	
3	W	Pomegranate		Pineapple
2		Grapes	T/	
1	P		W	pomegranate

The one who likes Guava lives at odd number floor. U does not like Guava. V lives above Q and below the one who likes peach. V does not like Pineapple. Q does not live on an odd number floor. From these conditions, case-3 will be eliminated. S neither lives on even numbered floor nor likes Pear. The final arrangement is-

Floor	Person	Fruits
8	R	Plum
7	U	Peach
6	V	Pear
5	S	Pineapple
4	T	Papaya
3	W	Pomegranate
2	Q	Grapes
1	P	Guava

S22. Ans.(c)

Sol. Three persons live between the one who likes Pineapple and P who lives on an odd number floor. The one who likes Grapes live just above P's floor. One floor is between the one who likes Pineapple and U, who does not live just below or above floor of the one who likes Grapes. There are three possibilities.

	Case-1		Case-2		Case-3	
Floor	Persons	Fruits	Persons	Fruits	Persons	Fruits
8						Grapes
7	U				P	
6				Grapes		
5		Pineapple	P		U/	
4						
3			U			Pineapple
2		Grapes				
1	P			Pineapple	U/	

W likes Pomegranate and lives one of the odd number floors. Four persons live between W and the one who likes Plum. W does not live at 7th floor. From these conditions, case-2 will be eliminated. Three persons live between R and T who likes Papaya and both of them live on an even number floor. R lives above the one who likes Pineapple.

	Case-1		Case-3	
Floor	Persons	Fruits	Persons	Fruits
8	R	Plum	R/	Grapes
7	U		P	
6			R/	Plum
5		Pineapple	U	
4	T	Papaya	T/	
3	W	Pomegranate		Pineapple
2		Grapes	T/	
1	P		W	pomegranate

The one who likes Guava lives at odd number floor. U does not like Guava. V lives above Q and below the one who likes peach. V does not like Pineapple. Q does not live on an odd number floor. From these conditions, case-3 will be eliminated. S neither lives on even numbered floor nor likes Pear. The final arrangement is-

Floor	Person	Fruits
8	R	Plum
7	U	Peach
6	V	Pear
5	S	Pineapple
4	T	Papaya
3	W	Pomegranate
2	Q	Grapes
1	P	Guava

S23. Ans.(d)

Sol. Three persons live between the one who likes Pineapple and P who lives on an odd number floor. The one who likes Grapes live just above P's floor. One floor is between the one who likes Pineapple and U, who does not live just below or above floor of the one who likes Grapes. There are three possibilities.

	Case-1		Case-2		Case-3	
Floor	Persons	Fruits	Persons	Fruits	Persons	Fruits
8						Grapes
7	U				P	
6				Grapes		
5		Pineapple	P		U/	
4						
3			U			Pineapple
2		Grapes				
1	P			Pineapple	U/	

W likes Pomegranate and lives one of the odd number floors. Four persons live between W and the one who likes Plum. W does not live at 7th floor. From these conditions, case-2 will be eliminated. Three persons live between R and T who likes Papaya and both of them live on an even number floor. R lives above the one who likes Pineapple.

	Case-1		Case-3	
Floor	Persons	Fruits	Persons	Fruits
8	R	Plum	R/	Grapes
7	U		P	
6			R/	Plum
5		Pineapple	U	
4	T	Papaya	T/	
3	W	Pomegranate		Pineapple
2		Grapes	T/	
1	P		W	pomegranate

The one who likes Guava lives at odd number floor. U does not like Guava. V lives above Q and below the one who likes peach. V does not like Pineapple. Q does not live on an odd number floor. From these conditions, case-3 will be eliminated. S neither lives on even numbered floor nor likes Pear. The final arrangement is-

Floor	Person	Fruits
8	R	Plum
7	U	Peach
6	V	Pear
5	S	Pineapple
4	T	Papaya
3	W	Pomegranate
2	Q	Grapes
1	P	Guava

S24. Ans.(a)

Sol. Three persons live between the one who likes Pineapple and P who lives on an odd number floor. The one who likes Grapes live just above P's floor. One floor is between the one who likes Pineapple and U, who does not live just below or above floor of the one who likes Grapes. There are three possibilities.

	Case-1		Case-2		Case-3	
Floor	Persons	Fruits	Persons	Fruits	Persons	Fruits
8						Grapes
7	U				P	
6				Grapes		
5		Pineapple	P		U/	
4						
3			U			Pineapple
2		Grapes				
1	P			Pineapple	U/	

W likes Pomegranate and lives one of the odd number floors. Four persons live between W and the one who likes Plum. W does not live at 7th floor. From these conditions, case-2 will be eliminated. Three persons live between R and T who likes Papaya and both of them live on an even number floor. R lives above the one who likes Pineapple.

	Case-1		Case-3	
Floor	Persons	Fruits	Persons	Fruits
8	R	Plum	R/	Grapes
7	U		P	
6			R/	Plum
5		Pineapple	U	
4	T	Papaya	T/	
3	W	Pomegranate		Pineapple
2		Grapes	T/	
1	P		W	pomegranate

The one who likes Guava lives at odd number floor. U does not like Guava. V lives above Q and below the one who likes peach. V does not like Pineapple. Q does not live on an odd number floor. From these conditions, case-3 will be eliminated. S neither lives on even numbered floor nor likes Pear. The final arrangement is-

Floor	Person	Fruits
8	R	Plum
7	U	Peach
6	V	Pear
5	S	Pineapple
4	T	Papaya
3	W	Pomegranate
2	Q	Grapes
1	P	Guava

S25. Ans.(e)

Sol. From statement I-

Possible date of marriage anniversary is- 18th and 19th

From statement II-

Possible date of marriage anniversary is- 19th and 20th

Hence the correct date of marriage anniversary is - 19th January

S26. Ans.(b)

Sol. From statement II, $R > P > (S, T)$, Since R is the second heaviest, it means Q is the heaviest.

S27. Ans.(a)

Sol. From I,

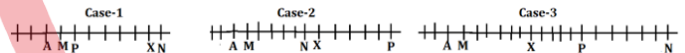
A's rank= 4th from top

K's rank= 28th from top

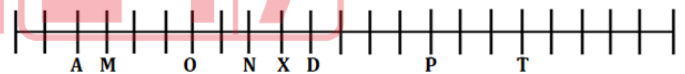
P's rank= 21st from top.

S28. Ans.(d)

Sol. Five persons sit between P and N. M is fourth from the left end. There are four persons sit between X and P. There are six persons sit between X and A, who sits to the immediate left of M. There are three possibilities.

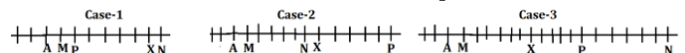


D is eleventh from the left end. From this condition case-1 will be eliminated. Only eight persons sit between T and N. Only five persons sit to the right of T. There are three persons sit between O and D. Not more than 23 person sits in the row. From this condition case-3 will be eliminated and the final arrangement is-

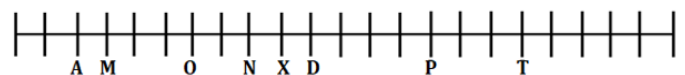


S29. Ans.(c)

Sol. Five persons sit between P and N. M is fourth from the left end. There are four persons sit between X and P. There are six persons sit between X and A, who sits to the immediate left of M. There are three possibilities.

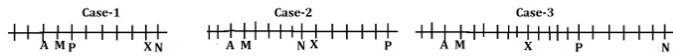


D is eleventh from the left end. From this condition case-1 will be eliminated. Only eight persons sit between T and N. Only five persons sit to the right of T. There are three persons sit between O and D. Not more than 23 person sits in the row. From this condition case-3 will be eliminated and the final arrangement is-

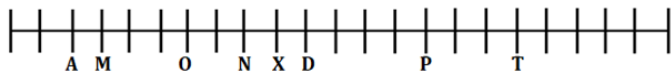


S30. Ans.(b)

Sol. Five persons sit between P and N. M is fourth from the left end. There are four persons sit between X and P. There are six persons sit between X and A, who sits to the immediate left of M. There are three possibilities.



D is eleventh from the left end. From this condition case-1 will be eliminated. Only eight persons sit between T and N. Only five persons sit to the right of T. There are three persons sit between O and D. Not more than 23 person sits in the row. From this condition case-3 will be eliminated and the final arrangement is-

**S31. Ans.(d)**

Sol. Logic- In this input-output one number arrange in each step.

Step I: All Digits are arranged in increasing order within the number

Step II: All Digits are arranged in decreasing order within the number

Step III: Number are arranged in increasing order

Step IV: Eliminate first and last digit of the number

Step V: Difference between the digits with in the number

Input: 3472 6721 9733 7123 5361 8417

Step I: 2347 1267 3379 1237 1356 1478

Step II: 7432 7621 9733 7321 6531 8741

Step III: 6531 7321 7432 7621 8741 9733

Step IV: 53 32 43 62 74 73

Step V: 2 1 1 4 3 4

S32. Ans.(d)

Sol. Logic- In this input-output one number arrange in each step.

Step I: All Digits are arranged in increasing order within the number

Step II: All Digits are arranged in decreasing order within the number

Step III: Number are arranged in increasing order

Step IV: Eliminate first and last digit of the number

Step V: Difference between the digits with in the number

Input: 3472 6721 9733 7123 5361 8417

Step I: 2347 1267 3379 1237 1356 1478

Step II: 7432 7621 9733 7321 6531 8741

Step III: 6531 7321 7432 7621 8741 9733

Step IV: 53 32 43 62 74 73

Step V: 2 1 1 4 3 4

S33. Ans.(a)

Sol. Logic- In this input-output one number arrange in each step.

Step I: All Digits are arranged in increasing order within the number

Step II: All Digits are arranged in decreasing order within the number

Step III: Number are arranged in increasing order

Step IV: Eliminate first and last digit of the number

Step V: Difference between the digits with in the number

Input: 3472 6721 9733 7123 5361 8417

Step I: 2347 1267 3379 1237 1356 1478

Step II: 7432 7621 9733 7321 6531 8741

Step III: 6531 7321 7432 7621 8741 9733

Step IV: 53 32 43 62 74 73

Step V: 2 1 1 4 3 4

S34. Ans.(e)

Sol. Logic- In this input-output one number arrange in each step.

Step I: All Digits are arranged in increasing order within the number

Step II: All Digits are arranged in decreasing order within the number

Step III: Number are arranged in increasing order

Step IV: Eliminate first and last digit of the number

Step V: Difference between the digits with in the number

Input: 3472 6721 9733 7123 5361 8417

Step I: 2347 1267 3379 1237 1356 1478

Step II: 7432 7621 9733 7321 6531 8741

Step III: 6531 7321 7432 7621 8741 9733

Step IV: 53 32 43 62 74 73

Step V: 2 1 1 4 3 4

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S35. Ans.(b)

Sol. Logic- In this input-output one number arrange in each step.

Step I: All Digits are arranged in increasing order within the number

Step II: All Digits are arranged in decreasing order within the number

Step III: Number are arranged in increasing order

Step IV: Eliminate first and last digit of the number

Step V: Difference between the digits with in the number

Input: 3472 6721 9733 7123 5361 8417

Step I: 2347 1267 3379 1237 1356 1478

Step II: 7432 7621 9733 7321 6531 8741

Step III: 6531 7321 7432 7621 8741 9733

Step IV: 53 32 43 62 74 73

Step V: 2 1 1 4 3 4

S36. Ans.(e)

Sol. B goes in the month which has even number of days. Two persons goes between B and the one who goes Brazil. The one who goes Russia go just before the one who goes Argentina. The one who goes Argentina go in the month which has even number of days. Only one person goes between the one who goes Russia and G. G goes to Japan. There are three possibilities.

Month	Case-1		Case-2		Case-3	
	Person	Countries	Person	Countries	Person	Countries
January						
March		Russia		Brazil	G	Japan
April	B	Argentina			B	
May	G	Japan		Russia		Russia
June			B	Argentina		Argentina
July		Brazil	G	Japan		Brazil
August						

Four persons goes between A and the one who goes to Germany. The one who goes Denmark goes after the one who goes Germany. From this condition case-2 will be eliminated. The one who goes Denmark goes after the one who goes Germany. B does not go Denmark. D goes after B. F goes just after D. E does not go to Australia. From this condition case-1 will be eliminated and the final arrangement is-

Month	Person	Countries
January	C	Germany
March	G	Japan
April	B	Australia
May	D	Russia
June	F	Argentina
July	A	Brazil
August	E	Denmark

S37. Ans.(a)

Sol. B goes in the month which has even number of days. Two persons goes between B and the one who goes Brazil. The one who goes Russia go just before the one who goes Argentina. The one who goes Argentina go in the month which has even number of days. Only one person goes between the one who goes Russia and G. G goes to Japan. There are three possibilities.

Month	Case-1		Case-2		Case-3	
	Person	Countries	Person	Countries	Person	Countries
January						
March		Russia		Brazil	G	Japan
April	B	Argentina			B	
May	G	Japan		Russia		Russia
June			B	Argentina		Argentina
July		Brazil	G	Japan		Brazil
August						

Four persons goes between A and the one who goes to Germany. The one who goes Denmark goes after the one who goes Germany. From this condition case-2 will be eliminated. The one who goes Denmark goes after the one who goes Germany. B does not go Denmark. D goes after B. F goes just after D. E does not go to Australia. From this condition case-1 will be eliminated and the final arrangement is-

Month	Person	Countries
January	C	Germany
March	G	Japan
April	B	Australia
May	D	Russia
June	F	Argentina
July	A	Brazil
August	E	Denmark

S38. Ans.(b)

Sol. B goes in the month which has even number of days. Two persons goes between B and the one who goes Brazil. The one who goes Russia go just before the one who goes Argentina. The one who goes Argentina go in the month which has even number of days. Only one person goes between the one who goes Russia and G. G goes to Japan. There are three possibilities.

Month	Case-1		Case-2		Case-3	
	Person	Countries	Person	Countries	Person	Countries
January						
March		Russia		Brazil	G	Japan
April	B	Argentina			B	
May	G	Japan		Russia		Russia
June			B	Argentina		Argentina
July		Brazil	G	Japan		Brazil
August						

Four persons goes between A and the one who goes to Germany. The one who goes Denmark goes after the one who goes Germany. From this condition case-2 will be eliminated. The one who goes Denmark goes after the one who goes Germany. B does not go Denmark. D goes after B. F goes just after D. E does not go to Australia. From this condition case-1 will be eliminated and the final arrangement is-

Month	Person	Countries
January	C	Germany
March	G	Japan
April	B	Australia
May	D	Russia
June	F	Argentina
July	A	Brazil
August	E	Denmark

S39. Ans.(c)

Sol. B goes in the month which has even number of days. Two persons goes between B and the one who goes Brazil. The one who goes Russia go just before the one who goes Argentina. The one who goes Argentina go in the month which has even number of days. Only one person goes between the one who goes Russia and G. G goes to Japan. There are three possibilities.

Month	Case-1		Case-2		Case-3	
	Person	Countries	Person	Countries	Person	Countries
January						
March		Russia		Brazil	G	Japan
April	B	Argentina			B	
May	G	Japan		Russia		Russia
June			B	Argentina		Argentina
July		Brazil	G	Japan		Brazil
August						

Four persons goes between A and the one who goes to Germany. The one who goes Denmark goes after the one who goes Germany. From this condition case-2 will be eliminated. The one who goes Denmark goes after the one who goes Germany. B does not go Denmark. D goes after B. F goes just after D. E does not go to Australia. From this condition case-1 will be eliminated and the final arrangement is-

Month	Person	Countries
January	C	Germany
March	G	Japan
April	B	Australia
May	D	Russia
June	F	Argentina
July	A	Brazil
August	E	Denmark

S40. Ans.(c)

Sol. B goes in the month which has even number of days. Two persons goes between B and the one who goes Brazil. The one who goes Russia go just before the one who goes Argentina. The one who goes Argentina go in the month which has even number of days. Only one person goes between the one who goes Russia and G. G goes to Japan. There are three possibilities.

Month	Case-1		Case-2		Case-3	
	Person	Countries	Person	Countries	Person	Countries
January						
March		Russia		Brazil	G	Japan
April	B	Argentina			B	
May	G	Japan		Russia		Russia
June			B	Argentina		Argentina
July		Brazil	G	Japan		Brazil
August						

Four persons goes between A and the one who goes to Germany. The one who goes Denmark goes after the one who goes Germany. From this condition case-2 will be eliminated. The one who goes Denmark goes after the one who goes Germany. B does not go Denmark. D goes after B. F goes just after D. E does not go to Australia. From this condition case-1 will be eliminated and the final arrangement is-

Month	Person	Countries
January	C	Germany
March	G	Japan
April	B	Australia
May	D	Russia
June	F	Argentina
July	A	Brazil
August	E	Denmark

S41. Ans.(d)

Sol. File compression is the technique used to store the large file in a small storage space. It compresses to content of the file in such a way that there is no harm done on the file content and quality.

S42. Ans.(b)

Sol. PowerPoint is used to make presentations/slide shows.

S43. Ans.(a)

Sol. CPU doesn't understand the C++ language (or any high level programming language). All the High level language statements must be translated into machine code before they can be executed.

S44. Ans.(d)

Sol. Fiber optic cables transmit signals in the form of optical signals over a narrow glass fiber stand.

S45. Ans.(a)

Sol. The Graphics Interchange Format (GIF) is used to save simple Web graphics having limited colours. This image format is usually used for Web buttons, charts and text headings.

S46. Ans.(a)

Sol. RDBMS stands for Relational Database Management System.

S47. Ans.(b)

Sol. MS DOS stands for Microsoft Disk Operating System it is a discontinued operating system for x86-based personal computers mostly developed by Microsoft.

S48. Ans.(d)

Sol. A peripheral device is generally defined as any auxiliary device such as a computer mouse or keyboard that connects to and works with the computer in some way.

S49. Ans.(a)

Sol. Optical Mark Recognition What is the technology used to read pencil or pen marks on a multiple choice answer sheet.

S50. Ans.(d)

Sol. All are views to display a table in MS Access.

S51. Ans.(d)

Sol. SMTP, FTP and DNS are protocols of the Application layer. SMTP-Simple Mail Transfer Protocol, DNS-Domain Name System, FTP-File Transfer Protocol.

S52. Ans.(c)

Sol. A network is interconnection of two or more computers.

S53. Ans.(b)

Sol. An instruction cycle is the basic operational process of a computer. It is the process by which a computer retrieves a program instruction from its memory, determines what actions the instruction dictates, and carries out those actions.

S54. Ans.(d)

Sol. Base of hexadecimal number system is 16.

S55. Ans.(e)

Sol. Electronic commerce, commonly written as e-commerce or e-commerce, is the trading or facilitation of trading in products or services using computer networks, such as the Internet or online social networks.

S56. Ans.(a)

Sol. In computer programming, a logic error is a bug in a program that causes it to operate incorrectly, but not to terminate abnormally (or crash). A logic error produces unintended or undesired output or other behavior, although it may not immediately be recognized as such.

S57. Ans.(b)

Sol. A barcode is a machine-readable representation of data relating to the object to which it is attached.

S58. Ans.(d)

Sol. A cache server is a dedicated network server or service acting as a server that saves Web pages or other Internet content locally.

S59. Ans.(c)

Sol. Spoofing is a type of scam where an intruder attempts to gain unauthorized access to a user's system or information by pretending to be the user. The main purpose is to trick the user into releasing sensitive information in order to gain access to one's bank account, computer system or to steal personal information, such as passwords.

S60. Ans.(c)

Sol. A microphone is a device that translates sound vibrations in the air into electronic signals.

S61. Ans.(d)

Sol. COBOL is a programming language.

S62. Ans.(b)

Sol. Datalink layer is the second layer of OSI Model.

S63. Ans.(c)

Sol. Backup Utility software is an application used to create a duplicate copy of data to safeguard it and enable recovery in the event it is lost, corrupted or infected by malware.

S64. Ans.(c)**S65. Ans.(c)****S66. Ans.(c)**

Sol. Through Telnet, an administrator or another user can establish a connection to someone else's computer remotely. On the Web, HTTP and FTP protocols allow you to request specific files from remote computers, but not to actually be logged on as a user of that computer.

S67. Ans.(c)

Sol. Formatting any kind of data storage disk means erasing the data that it have.

S68. Ans.(a)

Sol. A control bus is a computer bus that is used by the CPU to communicate with devices that are contained within the computer. This occurs through physical connections such as cables or printed circuits.

S69. Ans.(a)

Sol. The point of sale or point of purchase is the time and place where a retail transaction is completed.

S70. Ans.(c)

S71. Ans.(a)

Sol. A supercomputer is a computer with a high level of computing performance compared to a general-purpose computer. Supercomputers play an important role in the field of computational science, and are used for a wide range of computationally intensive tasks in various fields, including quantum mechanics, weather forecasting, climate research, oil and gas exploration etc.

S72. Ans.(a)

Sol. A network interface card (NIC) is a circuit board or card that is installed in a computer so that it can be connected to a network. A network interface card provides the computer with a dedicated, full-time connection to a network.

S73. Ans.(d)

Sol. Artificial intelligence (AI, also machine intelligence) is intelligent behavior by machines, rather than the natural intelligence of humans and other animals

S74. Ans.(a)

Sol. Primary key is used to uniquely identify a record within a table.

S75. Ans.(c)

Sol. In bus topology all computers are connected in a single cable.

S76. Ans.(a)

Sol. Robotics is an interdisciplinary branch of engineering and science that includes mechanical engineering, electrical engineering, computer science, and others.

S77. Ans.(a)**S78. Ans.(d)**

Sol. In relational database data are organized in the form of table.

S79. Ans.(d)

Sol. Since static and dynamic images, high graphics, voice notes and songs are rich in properties, they occupy a lot of memory in the storage system of the computer.

S80. Ans.(c)

Sol. A flash drive is plugged into a USB port.

S81. Ans.(d)

Sol. ISSF World Cup 2022 in Cairo has been organized by the International Shooting Sport Federation.

By winning a total of seven medals, the Indian team took first place in the medals tally, with four gold, two silver, and one bronze.

Norway took second place in the medals tally with six medals (three gold, one silver, and two bronze).

France came in third place with three gold medals out of a total of twenty.

Saurabh Chaudhary won India's first gold medal in Cairo. In the gold medal match of the Men's 10m Air Pistol event, the 19-year-old Indian defeated Michael Schwald of Germany 16-6.

S82. Ans.(b)

Sol. Eldrick Tont "Tiger" Woods is an American professional golfer.

Famous Golfer, Tiger Woods was formally inducted into the World Golf Hall of Fame. The 46-year-old Woods entered the storied hall as part of the Class of 2022 along with retired PGA Tour commissioner Tim Finchem, U.S. Women's Open champion Susie Maxwell Berning, and Marion Hollins, a U.S. Women's Amateur champion and golf course architect who was recognised posthumously.

During his career, Woods has broken many golfing records, establishing himself as arguably the greatest golfer of all time. He has won 15 majors, surpassed only by Jack Nicklaus' 18, as well as a joint-record 82 wins on the PGA Tour.

S83. Ans.(c)

Sol. National Stock Exchange and BSE are set to roll out the T+1 settlement rules from 25th February 2022, starting with select stocks and then gradually adding others to the fold. The system has been brought in despite reservations expressed by foreign investors.

What is a settlement system?

The settlement marks the official transfer of shares to the buyer's account and cash to the seller's account. Indian stock exchanges currently follow T+2 days settlement i.e. settlement of funds & securities happens on two business days after the order is executed. For example, if you buy shares on Wednesday, it will be credited to your Demat account only by Friday.

S84. Ans.(c)

Sol. In a National e-Governance Service Delivery Assessment, the website of the Ministry of Home Affairs (MHA) has been ranked at 1 under the Central Ministries Portal and the Digital Police Portal has been placed at 2 under the Central Ministry Services Portal.

A National e-Governance Service Delivery Assessment was conducted by the Department of Administrative Reforms and Public Grievances (DARPG) in association with its knowledge partners, viz. NASSCOM and KPMG in 2021.

This is a periodic assessment intended to improve the effectiveness of States/Union Territories and the Central Government in the in delivery of their online services to citizens.

All Government portals that were evaluated were divided into two main categories-

States/Union Territories/Central Ministry portal

State/Union Territory/ Central Ministry Services Portals.

There were four main parameters of assessment: -

Accessibility

Content Availability

Ease of Use and Information Security

Privacy for Central Ministry Portals

An additional three parameters were also used for the Central Ministry Services Portals - End Service Delivery, Integrated Service Delivery and Status and Request Tracking.

S85. Ans.(d)

Sol. The Cabinet Committee on Economic Affairs has approved the construction of the Taranga Hill-Ambaji-Abu Road new rail line to be constructed by the Ministry of Railways at an estimated cost of Rs 2798.16 crore.

This line is projected to facilitate faster movement of agricultural and local products and also provide improved mobility of the people in the region within the state of Gujarat and Rajasthan and also to other parts of the country.

This project will also provide an alternative route for the existing Ahmedabad-Abu Road railway line.

The total length of the new rail line will be 116.65 km and is expected to be completed in 2026-27. The project would generate direct employment during construction for about 40 lakh man-days.

S86. Ans.(c)

Sol. Asian Development Bank (ADB) President Masatsugu Asakawa and Singapore Deputy Prime Minister and Finance Minister Lawrence Wong signed a Memorandum of Understanding (MOU) to promote greater investment in the Asia and Pacific region and to recognize the importance of private sector finance as well as catalyzing public sector resources for sustainable and inclusive development.

ADB and Singapore will also cooperate in promoting the use of new technologies and innovative processes in areas such as developing livable cities, addressing the challenges of climate change, and utilizing financial technology to improve financial market efficiency. In addition, ADB and Singapore will further strengthen collaboration on digital innovation.

S87. Ans.(a)

Sol. The 20th edition of Dhaka International Film Festival began at Dhaka, Bangladesh and showcased 225 films from 70 countries under 10 categories were screened across various venues in Dhaka.

The Indian entries to the 20th DIFF include films like Koozhangal directed by P S Vinodraj, Avijatrik directed by Subhrajit Mitra, Mayar Jonjal directed by Indranil Roychowdhury, and Aandaal directed by Shareef Easa among the 35 entries.

The Dhaka International Film Festival (DIFF) is organised by the Rainbow film Society established in 1977.

The DIFF was started in 1992.

S88. Ans.(c)

Sol. Small businesses-focused online lending platform Indifi Technologies has collaborated with Google Pay to provide instant loans to eligible medium, small and micro enterprises (MSMEs) merchants through the Google Pay platform.

The borrowing process is entirely digital and eligible merchants on the Google Pay for the Business app can click on loan offerings from Indifi and submit an application online. The loans will be in the range of Rs 2.5 to Rs 3 lakh.

With a 35 per cent share of monthly UPI volumes, Google Pay has been growing its financial services play over the past year like other payments leaders in India.

It already provides loans and short-term credit to individuals and small merchants in tie-ups with IIFL Loans, CASHe, and ZestMoney, among others.

S89. Ans.(c)

Sol. Prime Minister Narendra Modi has declared to mark 16th January as 'National Start-up Day'.

The announcement was made by PM Modi on January 15, 2022, via video conferencing during a week-long event "Celebrating Innovation Ecosystem" as a part of Azadi ka Amrit Mahotsav.

The Prime Minister interacted with more than 150 start-ups across different sectors, during the event.

The start-ups, categorised under six groups, gave presentations to the Prime Minister on six themes — 'growing from roots, 'nudging the DNA', 'from local to global, 'technology of future', 'building champions in manufacturing' and 'sustainable development.

S90. Ans.(a)

Sol. India defeated China, 2-0 to win the bronze medal at the 2022 Women's Hockey Asia Cup tournament.

The 2022 Women's Hockey Asia Cup was the 10th edition of the quadrennial Women's Hockey Asia Cup. The tournament was held from January 21 to 28, 2022 at the Sultan Qaboos Sports Complex in Muscat, Oman.

Japan defeated South Korea in the final to win their third title at the Women's Hockey Asia Cup tournament.

S91. Ans.(a)

Sol. The name of YES Asset Management has been rechristened as WhiteOak Capital Asset Management and therefore the name of YES Mutual Fund has been changed to WhiteOak Capital Mutual Fund.

The change in the names is effective from January 12, 2022.

White Oak got the license to run a mutual fund. White Oak Capital group provides investment management and advisory services for equity assets of over Rs 42,000 crore.

In November 2021, White Oak Capital Group, through its subsidiary, GPL Finance and Investments, acquired the mutual fund business, Yes Asset Management, of Yes Bank.

S92. Ans.(e)

Sol. The Karnataka government has launched 'The Farmer Registration & Unified Beneficiary Information System' or FRUITS software for Aadhar-based, single-window registration for the schemes.

FRUITS software will facilitate single registration using an Aadhar card and Karnataka's Bhoomi digitized land record system for authenticating ownership.

Through the creation of single digital identification through FRUITS, farmers can access benefits of hosts of schemes such as Direct Benefit Transfer under PM Kisan, payment for Minimum Support Prices (MSPs) for crops, special financial assistance, caste certificate authentication, and ration cards.

To ensure that the farmers get easy access to benefits distributed under various government schemes, the Karnataka government has launched software for Aadhar-based, single-window registration for the schemes.

The state departments of agriculture, horticulture, animal husbandry, revenue, food, civil supplies and fisheries departments of the state government are covered under the initiative.

Karnataka Static Facts:

Governor: Thawar Chand Gehlot

Chief Minister: Basavaraj Bommai

Capital: Bengaluru

S93. Ans.(e)

Sol. World Blood Donor Day is observed globally on 14 June every year. The day is celebrated to promote awareness about the need for blood donation and thank voluntary, unpaid blood donors for their life-saving gifts of blood.

The host nation for World Blood Donor Day 2022 is Mexico.

The day aims to promote regular blood donations to ensure that all individuals have access to affordable and timely supplies of safe blood in times of emergency needs. The Theme for World Blood Donor Day 2022 is "Donating blood is an act of solidarity. Join the effort and save lives". It is focused on drawing attention to the roles that voluntary blood donors play in saving.

The World Health Organization initiated and declared June 14, the birth anniversary of Karl Landsteiner, as World Blood Donor Day in 2004.

S94. Ans.(d)

Sol. The ultra-luxury Sir M Visvesvaraya Railway Terminal in Karnataka's capital city Bengaluru was made operational.

The Ernakulam Tri-Weekly Express chugged through the station to mark this special occasion. According to the railway officials, the air-conditioned SMV Railway Terminal is a Rs 314 crore project. It has solar rooftop panels and a rainwater harvesting mechanism.

The railway terminal at the city's Baiyappanahalli area, named after Bharat Ratna Sir M. Visvesvaraya, is equipped with state-of-the-art facilities and claims to have an airport-like aura.

It was a joyous moment for the crew and passengers for being the first to use the city's third major terminal, which is situated between Banaswadi and Baiyappanahalli in the city. The other two major terminals in Bengaluru are Bengaluru City Railway Station and Yashwanthpur Railway Station.

S95. Ans.(b)

Sol. Providing a boost for Kerala's start-up ecosystem, the State has been ranked first in Asia in Affordable Talent in Global Startup Ecosystem Report (GSER).

The State has also been ranked fourth in global ranking in the GSER, drawn up jointly by policy advisory and research organisation Startup Genome and Global Entrepreneurship Network. In the first GSER published in 2020, Kerala was ranked 5th in Asia and 20th in the world.

In cities category:

As per the report released by the policy advisory and research firm Startup Genome, the city of Bengaluru has moved up to number 22 in the Global Startup Ecosystem ranking.

Bengaluru's tech ecosystem value is at \$105 billion which is higher than that of Singapore at \$89 billion and Tokyo at \$62 billion, the report showed.

The GSER was released in the backdrop of the ongoing London Tech Week 2022, which brings together global governments and corporate leaders, inspirational start-up founders, and investors to discuss the power of technology for societies.

S96. Ans.(b)

Sol. Britain's Queen Elizabeth II overtook Thailand's King to become the world's second-longest reigning monarch in history, after France's Louis XIV.

The UK has been celebrating the 96-year-old Queen's Platinum Jubilee to mark 70 years of service to the nation with grand events.

Crowned in 1953, Queen Elizabeth II became the longest-serving British monarch in September 2015, surpassing her great-great-grandmother Queen Victoria.

Now she has overtaken Thailand's King Bhumibol Adulyadej, who reigned for 70 years and 126 days between 1927 and 2016, to set another record.

Louis XIV of France remains the longest-reigning monarch, with a 72-year and 110-day reign from 1643 until 1715.

United Kingdom Static Facts:

Capital: London

Prime minister: Boris Johnson

Currency: Pound sterling

S97. Ans.(e)

Sol. Nandikar's National Theatre Festival is celebrated annually in Kolkata, West Bengal. It was started in 1984 to facilitate cultural integration in India and provide a forum for the exchange of notes among theatre workers from different parts of the country.

S98. Ans.(d)

Sol. Zohur Ahmed Chowdhury Stadium abbreviated as ZAC Stadium is located in the port city of Chittagong, in south-eastern Bangladesh.

S99. Ans.(c)

Sol. Rajasthan, the state government has announced a 'Camel Protection and Development Policy' in its budget 2022-23.

According to the government figures, less than two lakh camels are left in Rajasthan and in the entire country, the number of camels has reduced by 1.5 lakh since 2012. There were about 2.5 lakh camels left when counted last in 2019.

Camel is the state animal of Rajasthan and their number is continuously decreasing. The Rajasthan government had declared the camel as the state animal in 2014. About 85 per cent of the country's camels are found in Rajasthan followed by Gujarat, Haryana, Uttar Pradesh, and Madhya Pradesh.

World Camel Day is observed every year on 22 June to recognize the importance of camels to the livelihood of a large population.

S100. Ans.(c)

Sol. 'Building AI Readiness among Young Innovators', a program by the Department of Science and Technology (DST), Government of India, in partnership with Intel India, was launched by Dr Jitendra Singh, Union Minister of State for Science and Technology (I/C).

The program aims to build digital readiness among the students from classes 6 to 10, enrolled under DST's INSPIRE-Awards MANAK scheme.

The flagship program of DST reaches out to students pan India with an aim to create a culture of creativity and innovative thinking. Intel said its commitment to promoting AI readiness in the country is in synergy with the government's vision of leveraging AI to make India a leader in the field while utilizing the technology to address its socio-economic challenges.

S101. Ans.(b)

Sol. A Memorandum of Understanding (MoU) was signed in New Delhi between Hindustan Petroleum Corporation Limited (HPCL) and Solar Energy Corporation of India Limited (SECI) to accomplish green energy targets and the Government of India's efforts towards a carbon-neutral economy.

The Memorandum of Understanding envisions cooperation and collaboration in the fields of renewable energy, electric mobility, and alternative fuels, as well as the development of ESG Projects.

HPCL plans to diversify further in the RE and Electric Mobility sectors, as well as pursue the development of ESG projects, in order to meet the Government of India's target to increase the RE capacity and accelerate the adoption of electric mobility in India.

S102. Ans.(b)

Sol. The latest edition of the Indian Navy's multilateral exercise MILAN 2022 is commencing from 25 Feb 22 in the 'City of Destiny', Visakhapatnam. MILAN 22 is being conducted over a duration of 9 days in two phases with the harbour phase scheduled from 25 to 28 February and Sea Phase from 01 to 04 March.

India is celebrating the 75th year of its independence in 2022, and MILAN 22 provides an opportunity to commemorate this milestone with our friends and partners.

The theme of the MILAN 2022 exercise is 'Camaraderie – Cohesion – Collaboration' which aims to project India as a responsible maritime power to the world at large.

MILAN is a biennial multilateral naval exercise incepted by the Indian Navy in 1995 at Andaman and Nicobar Command. Since its inception, the event has been held biennially except for 2001, 2005, 2016, and 2020. While the 2001 and 2016 editions were not held due to International Fleet Reviews, the 2005 editions were rescheduled to 2006 due to the 2004 Tsunami. The 2020 edition of MILAN was postponed to 2022 due to COVID-19.

S103. Ans.(c)

Sol. About 11.78 crore farmers as of February 22, 2022, have been benefitted under the PM Kisan scheme. The amount worth Rs1.82 lakh crore have been disbursed to eligible beneficiaries across India in various intervals. During the current Covid 19 epidemic period, Rs. 1.29 lakh crore has been released.

The country celebrated the third anniversary of PM Kisan Scheme.

S104. Ans.(b)

Sol. Amar Mitra Mitra was born in Kolkata and is a well-known writer of Bengali literature.

Author Amar Mitra was awarded this year's O.Henry prize for a short story he wrote 45 years back.

He bagged the award for his short story titled 'Gaonburo'- a Bengali short fiction, which was translated into English (The Old Man Of Kusumpur) earlier.

The translated work was published in an American magazine in 2020. Mitra was awarded the Sahitya Academy award in 2006.

The O. Henry Award is an annual American award given to short stories of exceptional merit. The award is named after the American short-story writer O. Henry. The PEN/O. Henry Prize Stories is an annual collection of the year's twenty best stories published in U.S. and Canadian magazines.

S105. Ans.(b)

Sol. According to the Forbes Billionaires 2022 list, America has the most number of billionaires at 735 worth a collective net worth of \$4.7 trillion, including Elon Musk, who tops the World's Billionaires list for the first time.

China (including Macau and Hong Kong) remains number two, with 607 billionaires worth a collective \$2.3 trillion. Forbes uses stock prices and exchange rates from March 11, 2022, to calculate net worths.

Elon Musk, the Tesla and SpaceX founder topped Forbes' list for the first time ever with a net worth of \$219 billion. Elon Musk is leading the Forbes billionaires list with a net worth of \$219 billion, followed by Amazon chief Jeff Bezos at \$171 billion.

S106. Ans.(e)

Sol. A photograph by Canadian photographer Amber Bracken titled "Kamloops Residential School" has won the 2022 World Press Photo of the Year award.

The photo shows children's clothing hung on crosses commemorating the more than two hundred children who died of maltreatment, neglect, and disease at the Kamloops Indian Residential School in British Columbia. Ms. Bracken's photo also won the Singles award in the regional North and Central America category.

The annual World Press Photo of the Year award is part of the World Press Photo Awards, organized by the Dutch foundation World Press Photo. The award rewards photographers for the best single-exposure pictures contributing to the past year of visual journalism.

S107. Ans.(d)

Sol. Fino Payments Bank announced that its board of directors has approved a 12.19 percent minority strategic investment in New Delhi-based fintech Paysprint Pvt Ltd.

Fino Payments Bank is making its first strategic investment since becoming public. This is in addition to the bank's Fino 2.0 projects, which include many internal programs aimed at creating a digital ecosystem for its customers.

Paysprint, a profitable fintech, is a fast-growing financial technology firm that provides next-generation application programming interfaces (APIs) in banking, payments, travel, lending, insurance, and investment, among other fields.

S108. Ans.(d)

Sol. In May, the NITI Aayog plans to launch the National Data and Analytics Platform (NDAP), which would give government data in a user-friendly manner and encourage data-driven decision-making and research.

The platform, which was conceived in 2020, aims to standardize data across government sources and provide flexible analytics that allows users to easily analyze data using numerous datasets.

The platform, according to an AIR correspondent quoting a Senior Adviser at NITI Aayog, will allow policymakers, scholars, and researchers to easily analyze data without having to process it.

At the time of its debut, the portal will feature 200 datasets from over 46 ministries.

In the future, new datasets will be uploaded up to the village level. Many government agencies now offer public dashboards with various possibilities.

Many government departments now have public dashboards with data download options; some are provided as image files, while others are in PDF format, making data compilation problematic.

S109. Ans.(b)

Sol. The volume of complaints received under all the 3 Ombudsman Schemes increased by 22.27 percent on an annualized basis and stood at 3,03,107.

The complaints received at BOS from July 1, 2020, to March 31, 2021, stood at 2,73,204

The complaints received at OSNBFCs stood at 26,957 during July 1, 2020-March 31, 2021

The number of complaints received at the OSDT rose to 2,946 during July 1, 2020-March 31, 2021.

Under the scheme, major areas of complaints are related to ATM or debit cards, mobile or electronic banking and credit cards. This area collectively accounted for 42.74 per cent of the total complaints. This year, RBI changed the reporting period to April-March.

RBI data further highlights that, Chandigarh received the maximum complaints during the same period. Total number of complaints stand at 28019. It accounts for 10.26 per cent of the total complaints.

Chandigarh is followed by Kanpur with 21,168 complaints and New Delhi with 18,767 complaints. Kanpur accounts for 7.75 per cent and Delhi accounts for 6.87 per cent of the total complaints.

S110. Ans.(b)

Sol. Odisha's social worker and Padma Shri awardee Shanti Devi, who was remembered as the voice of the poor, has passed away. She was 88.

She was also called Lugdi Devi.

She was known for her dedication towards the underprivileged community and for restoring peace in the Maoist-affected areas in Odisha. She received the prestigious Padma Shri award from President Ram Nath Kovind on November 9, 2021.

S111. Ans.(d)

Sol. Ujjain in Madhya Pradesh has created a Guinness record by lighting 11.71 lakh clay lamps (diyas) in 10 minutes. The diyas were lighted as part of the 'Shiv Jyoti Arpanam Mahotsava' on the occasion of Mahashivratri. With this they broke the earlier record of lighting 9.41 lakh diyas created in Ayodhya, Uttar Pradesh on 03 November 2021.

Ujjain is also known as the 'Land of Mahakal'. The certificate was received by Madhya Pradesh chief minister Shivraj Singh Chouhan.

It was a zero-waste programme. The clay from the lamps will be used to prepare idols, while the oil left in the lamps will be offered to gaushalas. The plastic used for the I-cards will be used to make chairs and other items for public gardens.

Madhya Pradesh Static Facts:

Capital: Bhopal

Governor: Mangubhai C. Patel

Chief Minister: Shivraj Singh Chouhan

S112. Ans.(b)

Sol. Bharti AXA Life Insurance has appointed National Award-winning actress VidyaBalan as its Brand Ambassador. She as the brand ambassador will help in promoting the #DoTheSmartThing campaign of Bharti AXA Life Insurance.

Bharti AXA Life Insurance is a joint venture of Bharti, India's leading business group, and AXA, one of the world's leading organizations in financial protection and wealth management.

Bharti AXA Life Insurance Static Facts:

MD & CEO: Parag Raja

Bharti AXA Life Insurance Founded: 2007

Bharti AXA Life Insurance Parent organization: Bharti Enterprises

S113. Ans.(c)

Sol. The Government of India has signed the Host Country Agreement (HCA) with International Telecommunication Union (ITU) for the establishment of an Area Office & Innovation Centre of ITU in New Delhi.

The Host Country Agreement provides the legal and financial framework for the establishment and operations of the Area Office. The Area Office and Innovation Centre of ITU at New Delhi will serve South Asian countries comprising of Afghanistan, Bangladesh, Bhutan, Iran, Maldives, Nepal, Sri Lanka and India.

ITU is the United Nations specialised agency for information and communication technologies (ICTs). ITU currently has a membership of 193 countries. It allocates global radio spectrum and satellite orbits, develops the technical standards that ensure networks and technologies seamlessly interconnect, and strives to improve access to ICTs to underserved communities worldwide.

International Telecommunication Union Static Facts:

Headquarters: Geneva, Switzerland

Founded: 17 May 1865

Secretary-General: Houlin Zhao

S114. Ans.(c)

Sol. Bharti Airtel has decided to acquire an additional 4.7 percent stake in Indus Towers from Vodafone Group.

The two companies signed an agreement on the condition that Vodafone will use the proceeds to invest in Vodafone Idea (Vi) and the latter will clear its pending dues with Indus Towers.

With the acquisition, Airtel's shareholding in Indus Towers will increase to 46.4 percent. Vodafone holds a 28.1 percent stake in the company at present and its shareholding will reduce to 21 percent.

Bharti Airtel Static Facts:

CEO: Gopal Vittal

Founder: Sunil Bharti Mittal

Founded: 7 July 1995, India

S115. Ans.(b)

Sol. New Development Bank (NDB) will become the first multilateral agency to open an office in the Gujarat International Finance Tech City (GIFT).

The Indian office will help identify suitable projects and try to create a pipeline of potential financing for the bank. NDB also expects to partner with the newly launched National Bank for Financing Infrastructure and Development (NBFID) to support crucial infrastructure projects in India.

NDB was set up by the BRICS countries (Brazil, Russia, India, China, and South Africa) with the objective of mobilizing resources for infrastructure and sustainable development projects in the BRICS as well as other emerging markets in 2014. It became operational in 2015 and is headquartered in Shanghai, China. All the founding members equally own the bank.

New Development Bank Static Facts:

Headquarters Location: Shanghai, China

President: Marcos Prado Troyjo

Founder: BRICS

Founded: 15 July 2014

S116. Ans.(c)

Sol. Union Minister of Agriculture & Farmers' Welfare, Shri Narendra Singh Tomar launched Animal Vaccine and other Diagnostic Kits developed by the ICAR-National Research Centre on Equines, Hisar, Haryana.

The name of the vaccine is Ancovax.

The Ancovax Vaccine on Equines is an inactivated SARS-CoV-2 Delta (COVID-19) Vaccine for Animals. The immunity induced by Ancovax neutralizes both Delta and Omicron Variants of SARS-CoV-2. The Vaccine contains inactivated SARS-CoV-2 (Delta) antigen with Alhydrogel as an adjuvant. It is safe for dogs, lions, leopards, mice, and rabbits.

S117. Ans.(a)

Sol. Fiat currency is the kind of money that does not have any intrinsic value and it can't convert into a valuable resource. The value of this money is determined by government orders which makes it a legal instrument for all transaction purposes.



S118. Ans.(c)

Sol. The FY 2022-23 will see the introduction of the Digital Rupee or Central Bank Digital Currency (CBDC) by the Reserve Bank of India to boost the digital economy using blockchain and other technologies.

S119. Ans.(b)

Sol. The Prime Minister of India, Narendra Modi has unveiled a 108 ft statue of Lord Hanuman Ji in Morbi, Gujarat, at the Ashram of Bapu Keshvanand Ji, via video conferencing, on the occasion of Hanuman Jayanti. This statue is the second among the four statues being built in the four directions across the country, as part of the 'Hanumanji Char Dham' project.

The first such grand statue of Hanuman Ji was inaugurated in the North in Shimla, Himachal Pradesh in 2010. The statue at Morbi has been set up in the West. The third statue will be set up in the South at Rameswaram, Tamil Nadu. Similarly, the final statue will be established in East in West Bengal.

S120. Ans.(e)

Sol. India has been elected to the United Nations Economic and Social Council's (ECOSOC) four major bodies, including the Commission on Science and Technology for Development.

To the Committee for Economic, Social and Cultural Rights, Ambassador Preeti Saran has been re-elected.

In 2018, she was first elected to the Asia Pacific seat on the UN's Committee on Economic, Social, and Cultural Rights. On 1st January 2019, her first four-year term began.

The 4 bodies to which India has been elected:

- The Committee on Economic, Social, and Cultural Rights
- The Commission for Social Development
- The Committee on Non-Governmental Organisations
- The Commission on Science and Technology for Development

S121. Ans.(d)

Sol. The correct choice for the answer is option (d): *distributing and packaging.*

The answer is located in the second paragraph where it is stated "Studies have shown that packaging and distribution systems account for about 25% of total wastage of fresh fruit and vegetables, leaving plenty of opportunity for improvement."

Hence, option (d) is the correct choice for the answer.

S122. Ans.(c)

Sol. The correct choice for the answer is option (c): *Aeroponics require very minimal amount of resources to grow crops and nurture them.*

We can conclude that this is the answer by reading the third paragraph where it talks about aeroponics: "Yet in many ways, aeroponics is actually more environment-friendly than even the most strictly managed traditional organic farming methods. And it's down to one factor: waste. Traditional farming is wasteful; modern intensive agriculture relies on large inputs of external resources, notably heat, water and nutrients."

Hence, option (c) is the correct choice for the answer.

S123. Ans.(a)

Sol. The correct choice for the answer is option (a): San Joaquin Valley.

The answer is towards the end of the paragraph saying "The vast amounts of water used by agriculture are already causing serious problems in many parts of the world; beneath California's San Joaquin Valley, the world's most productive agricultural area, water tables have been dropping for almost a century."

Hence, option (a) is the correct choice for the answer.

S124. Ans.(b)

Sol. The correct choice for the answer is option (b): *Method of growing plants that involves growing plants without soil, by using mineral nutrient solutions in an aqueous solvent.*

The answer can be found in the third paragraph where it says "Hydroponics, growing plants in troughs of nutrient-rich water, has been developing since the 11370's."

Hence, option (b) is the correct choice for the answer.

S125. Ans.(d)

Sol. Out of all the given statements, only statement III is true in accordance to the passage.

Statement III is found in the third paragraph: *Hydroponics, growing plants in troughs of nutrient-rich water, has been developing since the 11370's.*

Statement II is false because the last paragraph of the passage says "Traditional farming is wasteful; modern intensive agriculture relies on large inputs of external resources, notably heat, water and nutrients."

Statement I cannot be true because first paragraph says "Even people living in small eco-sustainable communities generate waste."

S126. Ans.(b)

Sol. The line mentioned encourages the idea that food items need to be grown or produced locally and not be exported from other cities/countries similar to the trend scenario now.

Ideally means if things existed or happened exactly as one would like. Hence, the author means that in the best of circumstances, the food consumed should be grown in the areas around the place one inhabits. Locally means done in, made in, or connected with a particular area.

S127. Ans.(c)

Sol. Being home to something means to be the place where that thing is located or, in the case of living things, where they live.

None of the other options can be used to fill the blank because they do not make contextual sense of the sentence.

S128. Ans.(d)

Sol. *Supreme* means highest in degree or quality. Hence, it can serve as a synonym of *optimum*.

Optimum means greatest degree attained or attainable under implied or specified conditions.

Nurture means to help develop, help grow.

Incompatibility means the quality of being unable to exist or work in congenial combination.

Absurd means wildly unreasonable, illogical, or inappropriate.

S129. Ans.(a)

Sol. *Realizable* means capable of being done or carried out. Whereas, *impossible* means not possible; unable to be, exist, happen, etc. Hence, option (a) is the correct answer.

Stupor means a state of near-unconsciousness or insensibility.

Repugnant means extremely distasteful; unacceptable.

Cliché means a phrase or opinion that is overused and betrays a lack of original thought.

S130. Ans.(c)

Sol. *Impressively* means in a way that evokes admiration through size, quality, or skill.

This is a synonym of *notably* because it means in a way that is striking or remarkable.

Covert means not openly acknowledged or displayed.

Copious means abundant in supply or quantity.

Grotesque means comically or repulsively ugly or distorted.

S131. Ans.(a)

Sol. The only option which makes the correct use of the word *dismantle* is (a). All of the other options use it incorrectly, hence, they cannot be considered as possible answers.

Dismantle means to take a machine apart or to come apart into separate pieces.

S132. Ans.(d)

Sol. The only option which makes the correct use of the word *plight* is (d). All of the other options use it incorrectly, hence, they cannot be considered as possible answers.

Plight means a dangerous, difficult, or otherwise unfortunate situation.

S133. Ans.(b)

Sol. The only option which makes the correct use of the word *puny* is (b). All of the other options use it incorrectly, hence, they cannot be considered as possible answers.

Puny means small and weak or poor in quality, amount, or size.

S134. Ans.(c)

Sol. The only option which makes the correct use of the word *eradicate* is (c). All of the other options use it incorrectly, hence, they cannot be considered as possible answers.

Eradicate means destroy completely; put an end to.

S135. Ans.(d)

Sol. The only option which makes the correct use of the word *impede* is (d). All of the other options use it incorrectly, hence, they cannot be considered as possible answers.

Impede means delay or prevent (someone or something) by obstructing them; hinder.

S136. Ans.(b)

Sol. Out of all the given sentences, option (b) holds the grammatically incorrect sentence.

When we read the sentence, we realize that the noun *player* needs to be plural. It is also indicated by the presence of *are* and *their* in sentence.

Hence, it needs to be replaced with *players*.

S137. Ans.(c)

Sol. Out of all the given sentences, option (c) holds the grammatically incorrect sentence.

Firstly is an adverb and it has no use in this sentence. *First* should replace *firstly* since the sentence states that the *first* (number) of case was reported.

S138. Ans.(b)

Sol. Out of all the given sentences, option (b) holds the grammatically incorrect sentence.

Arrived in should be used here.

We use *arrive in* for towns, cities and countries. Whereas, we use *arrive at* for buildings and parts of buildings.

S139. Ans.(d)

Sol. Out of all the given sentences, option (d) holds the grammatically incorrect sentence.

Since there are multiple nouns mentioned (*Olympians, athletes, and surgery and physical therapy patients*), the verb needs to be plural as well.

Hence, *has* needs to be replaced with *have*.

S140. Ans.(e)

Sol. All of the sentences mentioned are grammatically correct.

S141. Ans.(a)

Sol. Out of all the given sentences, option (a) holds the grammatically incorrect sentence.

The sentence is in present continuous tense. Hence, *deepened* needs to be replaced with *deepening*.

S142. Ans.(e)

Sol. All of the sentences mentioned are grammatically correct.

S143. Ans.(a)

Sol. The fourth sentence in the proper sequence is (B).

The correct sequence is *DAEBC*.

The first sentence is (D) since we are being presented with the topic (*animal life*) which is a result of a new research.

The second sentence is (A) because it further elaborates on the new research which was only briefly mentioned in the previous sentence (D).

Third sentence to go in the sequence is (E) expands on the information given in the previous sentence (A) which only stated that the fossils might be earliest known remnants of an animal body.

Next and the fourth sentence is (B) because it discloses the location where the fossils were found.

The last sentence is (C) because it leaves us with the message that there hasn't been much information available about human life because of lack of such fossil records.

S144. Ans.(c)

Sol. The second sentence in the proper sequence is (A).

The correct sequence is *DAEBC*.

The first sentence is (D) since we are being presented with the topic (*animal life*) which is a result of a new research.

The second sentence is (A) because it further elaborates on the new research which was only briefly mentioned in the previous sentence (D).

Third sentence to go in the sequence is (E) expands on the information given in the previous sentence (A) which only stated that the fossils might be earliest known remnants of an animal body.

Next and the fourth sentence is (B) because it discloses the location where the fossils were found.

The last sentence is (C) because it leaves us with the message that there hasn't been much information available about human life because of lack of such fossil records.

S145. Ans.(b)

Sol. The last sentence in the proper sequence is (C).

The correct sequence is *DAEBC*.

The first sentence is (D) since we are being presented with the topic (*animal life*) which is a result of a new research.

The second sentence is (A) because it further elaborates on the new research which was only briefly mentioned in the previous sentence (D).

Third sentence to go in the sequence is (E) expands on the information given in the previous sentence (A) which only stated that the fossils might be earliest known remnants of an animal body.

Next and the fourth sentence is (B) because it discloses the location where the fossils were found.

The last sentence is (C) because it leaves us with the message that there hasn't been much information available about human life because of lack of such fossil records.

S146. Ans.(d)

Sol. The first sentence in the proper sequence is (D).

The correct sequence is *DAEBC*.

The first sentence is (D) since we are being presented with the topic (*animal life*) which is a result of a new research.

The second sentence is (A) because it further elaborates on the new research which was only briefly mentioned in the previous sentence (D).

Third sentence to go in the sequence is (E) expands on the information given in the previous sentence (A) which only stated that the fossils might be earliest known remnants of an animal body.

Next and the fourth sentence is (B) because it discloses the location where the fossils were found.

The last sentence is (C) because it leaves us with the message that there hasn't been much information available about human life because of lack of such fossil records.

S147. Ans.(c)

Sol. The third sentence in the proper sequence is (E).

The correct sequence is *DAEBC*.

The first sentence is (D) since we are being presented with the topic (*animal life*) which is a result of a new research.

The second sentence is (A) because it further elaborates on the new research which was only briefly mentioned in the previous sentence (D).

Third sentence to go in the sequence is (E) expands on the information given in the previous sentence (A) which only stated that the fossils might be earliest known remnants of an animal body.

Next and the fourth sentence is (B) because it discloses the location where the fossils were found.

The last sentence is (C) because it leaves us with the message that there hasn't been much information available about human life because of lack of such fossil records.

S148. Ans.(a)

Sol. The word with the incorrect spellings is: underpinning.

The correct spelling are *underpinning*.

S149. Ans.(c)

Sol. The word with the incorrect spellings is: remnents.

The correct spelling are *remnants*.

S150. Ans.(e)

Sol. All the highlighted words are spelled correctly.

S151. Ans.(b)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (b) *unidentified* which means not recognized or identified.

Acrimionius meAns.(typically of speech or discussion) angry and bitter.

Propitious means giving or indicating a good chance of success; favorable.

Tremulous means shaking or quivering slightly and/or timid; nervous.

S152. Ans.(a)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (a) *recreate* which means reproduce; re-enact.

Besiege means to surround and harass.

Cajole means persuade (someone) to do something by sustained coaxing or flattery.

Equivocate means use ambiguous language so as to conceal the truth or avoid committing oneself.

S153. Ans.(d)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (d) *evidence*.

Novel means a fictitious prose narrative of book length, typically representing character and action with some degree of realism.

Crew means a group of people who work on and operate a ship, aircraft, etc.

Cede means give up (power or territory).

S154. Ans.(c)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (c) *suspected* which means have an idea or impression of the existence, presence, or truth of (something) without certain proof.

Construe means to interpret (a word or action) in a particular way.

Peruse means to read (something), typically in a thorough or careful way and/or examine carefully or at length.

Condone means to accept behaviour that is considered morally wrong or offensive) and/or approve or sanction (something), especially with reluctance.

S155. Ans.(d)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (d) *region*.

Decree means an official order that has the force of law.

Cite means refer to (a passage, book, or author) as evidence for or justification of an argument or statement, especially in a scholarly work.

Pious means devoutly religious.

S156. Ans.(d)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (d) *surrounding*.

Bewitched means enchant and delight (someone).

Ecstatic means feeling or expressing overwhelming happiness or joyful excitement.

Extraneous means irrelevant or unrelated to the subject being dealt with.

S157. Ans.(b)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (b) *outward* which means going out or away from a place.

Alienated means experiencing or inducing feelings of isolation or estrangement.

Ironclad means covered or protected with iron.

Foolhardy means recklessly bold or rash.

S158. Ans.(a)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (a) *process*.

Assent means the expression of approval or agreement.
Throng means a large, densely packed crowd of people or animals.
Suffrage means the right to vote in political elections.

S159. Ans.(d)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (d) *arrange* which means organize or make plans for
Immigrate means to come to live permanently in a foreign country.

Masquerade means a false show or pretence.
Waffle means speak or write at length in a vague or trivial manner.

S160. Ans.(a)

Sol. Out of all the given words, the option with the appropriate word to fill the blank correctly is option (a) *astrophysics* which means the branch of astronomy concerned with the physical nature of stars and other celestial bodies, and the application of the laws and theories of physics to the interpretation of astronomical observations.

Cartographer means a person who draws or produces maps
Investigator means a person who carries out a formal inquiry or investigation.
Philanthropist means a person who seeks to promote the welfare of others, especially by the generous donation of money to good causes.

S161. Ans.(b)

Sol.
Total no. of male = $18000 \times \frac{18}{100} \times \frac{3}{5} = 1944$
Total no. of female = $18000 \times \frac{18}{100} \times \frac{2}{5} = 1296$
Total no. female of above poverty = $1296 \times \frac{11}{16} = 891$
Total no. male of below poverty = $1944 \times \frac{7}{24} = 567$
Req. difference = $891 - 567 = 324$

S162. Ans.(a)

Sol.
Total population of D below poverty = $18000 \times \frac{25}{100} \times \frac{60}{100} = 2700$
Total population of D above poverty = $18000 \times \frac{25}{100} \times \frac{40}{100} = 1800$
No. of female above poverty = $1800 \times \frac{55}{100} = 990$
No. of male below poverty = $2700 \times \frac{40}{100} = 1080$
No. of male above poverty = $1800 - 990 = 810$
No. of female below poverty = $2700 - 1080 = 1620$
Req. ratio = $1620 : 810 = 2 : 1$

S163. Ans.(d)

Sol.
Total population of F below poverty = $18000 \times \frac{15}{100} \times \frac{80}{100} = 2160$
No. of male below poverty in F = $2160 \times \frac{17}{27} = 1360$
Total population of above poverty in E = $18000 \times \frac{10}{100} \times \frac{(100-75)}{100} = 450$
No. of above poverty female in E = $450 \times \frac{3}{5} = 270$
Req. % = $\frac{270}{1360} \times 100 = 19.8\% \approx 20\%$

S164. Ans.(c)

Sol.
Total no. of female in A, C & D
 $= 18000 \times \frac{12}{100} \times \frac{1}{3} + 18000 \times \frac{20}{100} \times \frac{5}{9} + 18000 \times \frac{25}{100} \times \frac{7}{15}$
 $720 + 2000 + 2100 = 4820$
Average no. of female in A, C and D = $\frac{4820}{3}$
Total no. of male in B and F
 $= 18000 \times \frac{18}{100} \times \frac{3}{5} + 18000 \times \frac{15}{100} \times \frac{22}{45} = 1944 + 1320 = 3264$
Average no. of male in B and F = $\frac{3264}{2} = 1632$
Req. difference = $1632 - \frac{4820}{3} = \frac{76}{3}$

S165. Ans.(e)

Sol.
Total population of E and C below poverty
 $= 18000 \times \frac{10}{100} \times \frac{75}{100} + 18000 \times \frac{20}{100} \times \frac{35}{100}$
 $= 1350 + 1260 = 2610$
Total population of B and D above poverty
 $= 18000 \times \frac{18}{100} \times \frac{45}{100} + 18000 \times \frac{25}{100} \times \frac{40}{100}$
 $= 1458 + 1800 = 3258$
Req. % = $\frac{2610}{3258} \times 100 = 80.11\% \approx 80\%$

S166. Ans.(a)

Sol.
Total no. of girls in the school = 300
Total no. of boys in the school = 300
No. of boys speaking only Hindi = $300 \times \frac{15}{100} = 45$
No. of boys speaking only English and French = 40
No. of boys speaking only Hindi and French = $300 \times \frac{20}{100} = 60$
No. of boys speaking all the three languages = $300 \times \frac{10}{100} = 30$
No. of boys speaking only English and Hindi = 50
No. of boys speaking only French = $300 \times \frac{15}{100} = 45$
No of boys only speaking English = $300 - (50 + 45 + 60 + 30 + 40 + 45) = 300 - 270 = 30$
No. of girls speaking only French and Hindi = $300 \times \frac{22}{100} = 66$
No. of girls speaking only French and English = $300 \times \frac{18}{100} = 54$
No. of girl speaking only English = 30
No. of girls speaking only Hindi = 30
No. of girls speaking only English and Hindi = $300 \times \frac{5}{100} = 15$
No. of girls speaking all the three languages = $300 \times \frac{20}{100} = 60$
No. of girl speaking only French = $300 - (66 + 54 + 30 + 30 + 15 + 60) = 45$
Req. % = $\frac{30}{45} \times 100 = 66\frac{2}{3}\%$

S167. Ans.(c)**Sol.**

Total no. of girls in the school = 300

Total no. of boys in the school = 300

No. of boys speaking only Hindi = $300 \times \frac{15}{100} = 45$

No. of boys speaking only English and French = 40

No. of boys speaking only Hindi and French = $300 \times \frac{20}{100} = 60$ No. of boys speaking all the three languages = $300 \times \frac{10}{100} = 30$

No. of boys speaking only English and Hindi = 50

No. of boys speaking only French = $300 \times \frac{15}{100} = 45$ No of boys only speaking English = $300 - (50 + 45 + 60 + 30 + 40 + 45)$
 $= 300 - 270 = 30$ No. of girls speaking only French and Hindi = $300 \times \frac{22}{100} = 66$ No. of girls speaking only French and English = $300 \times \frac{18}{100} = 54$

No. of girl speaking only English = 30

No. of girls speaking only Hindi = 30

No. of girls speaking only English and Hindi = $300 \times \frac{5}{100} = 15$ No. of girls speaking all the three languages = $300 \times \frac{20}{100} = 60$ No. of girl speaking only French = $300 - (66 + 54 + 30 + 30 + 15 + 60) = 45$ Req. difference = $40 - 15 = 25$ **S168. Ans.(e)****Sol.**

Total no. of girls in the school = 300

Total no. of boys in the school = 300

No. of boys speaking only Hindi = $300 \times \frac{15}{100} = 45$

No. of boys speaking only English and French = 40

No. of boys speaking only Hindi and French = $300 \times \frac{20}{100} = 60$ No. of boys speaking all the three languages = $300 \times \frac{10}{100} = 30$

No. of boys speaking only English and Hindi = 50

No. of boys speaking only French = $300 \times \frac{15}{100} = 45$ No of boys only speaking English = $300 - (50 + 45 + 60 + 30 + 40 + 45)$
 $= 300 - 270 = 30$ No. of girls speaking only French and Hindi = $300 \times \frac{22}{100} = 66$ No. of girls speaking only French and English = $300 \times \frac{18}{100} = 54$

No. of girl speaking only English = 30

No. of girls speaking only Hindi = 30

No. of girls speaking only English and Hindi = $300 \times \frac{5}{100} = 15$ No. of girls speaking all the three languages = $300 \times \frac{20}{100} = 60$ No. of girl speaking only French = $300 - (66 + 54 + 30 + 30 + 15 + 60) = 45$

Total no. of boys speaking English

 $= 30 + 50 + 30 + 40 = 150$ **S169. Ans.(d)****Sol.**

Total no. of girls in the school = 300

Total no. of boys in the school = 300

No. of boys speaking only Hindi = $300 \times \frac{15}{100} = 45$

No. of boys speaking only English and French = 40

No. of boys speaking only Hindi and French = $300 \times \frac{20}{100} = 60$ No. of boys speaking all the three languages = $300 \times \frac{10}{100} = 30$

No. of boys speaking only English and Hindi = 50

No. of boys speaking only French = $300 \times \frac{15}{100} = 45$ No of boys only speaking English = $300 - (50 + 45 + 60 + 30 + 40 + 45)$
 $= 300 - 270 = 30$ No. of girls speaking only French and Hindi = $300 \times \frac{22}{100} = 66$ No. of girls speaking only French and English = $300 \times \frac{18}{100} = 54$

No. of girl speaking only English = 30

No. of girls speaking only Hindi = 30

No. of girls speaking only English and Hindi = $300 \times \frac{5}{100} = 15$ No. of girls speaking all the three languages = $300 \times \frac{20}{100} = 60$ No. of girl speaking only French = $300 - (66 + 54 + 30 + 30 + 15 + 60) = 45$ Req. average = $\frac{30+30}{2} = 30$ **S170. Ans.(b)****Sol.**

Total no. of girls in the school = 300

Total no. of boys in the school = 300

No. of boys speaking only Hindi = $300 \times \frac{15}{100} = 45$

No. of boys speaking only English and French = 40

No. of boys speaking only Hindi and French = $300 \times \frac{20}{100} = 60$ No. of boys speaking all the three languages = $300 \times \frac{10}{100} = 30$

No. of boys speaking only English and Hindi = 50

No. of boys speaking only French = $300 \times \frac{15}{100} = 45$ No of boys only speaking English = $300 - (50 + 45 + 60 + 30 + 40 + 45)$
 $= 300 - 270 = 30$ No. of girls speaking only French and Hindi = $300 \times \frac{22}{100} = 66$ No. of girls speaking only French and English = $300 \times \frac{18}{100} = 54$

No. of girl speaking only English = 30

No. of girls speaking only Hindi = 30

No. of girls speaking only English and Hindi = $300 \times \frac{5}{100} = 15$ No. of girls speaking all the three languages = $300 \times \frac{20}{100} = 60$ No. of girl speaking only French = $300 - (66 + 54 + 30 + 30 + 15 + 60) = 45$ Req. sum = $30 + 60 = 90$ **S171. Ans.(d)****Sol.**Speed of train P = $400 \times \frac{15}{100} = 60 \text{ km/h}$ Distance travelled by P = $60 \times 3 = 180 \text{ km}$ Distance travelled by S = $\frac{180}{12} \times 10 = 150 \text{ km}$ Req. time = $\frac{150}{400 \times \frac{22}{100}} = \frac{150}{48} = 3 \text{ hours } 7.5 \text{ min.}$ **S172. Ans.(c)****Sol.**Distance travelled by S = $\frac{1188}{18} \times 10 = 660 \text{ km}$ Time taken by train S = $\frac{660}{400 \times \frac{15}{100}} = \frac{55}{4} \text{ hours}$ Distance travelled by P = $\frac{1188}{18} \times 15 = 990$ Time taken by train R = $\frac{990}{400 \times \frac{15}{100}} = \frac{33}{2} \text{ hours}$ Req. time = $\frac{33}{2} - \frac{55}{4} = \frac{66-55}{4} = \frac{11}{4} = 2 \text{ hours } 45 \text{ min.}$

S173. Ans.(e)**Sol.**Let the total distance travelled by all five train = $100x$

distance travelled by train Q is 100 km more than that of train R

$$35x - 25x = 100$$

$$10x = 100$$

$$x = 10$$

Total distance travelled by all train = $100x = 100 \times 10 = 1000 \text{ km}$

$$\text{Distance travelled by train S} = 1000 \times \frac{18}{100} = 180 \text{ km}$$

$$\text{Req. time} = \frac{180}{400 \times \frac{18}{100}} = 2 \frac{13}{16} \text{ hours}$$

S174. Ans.(a)**Sol.**

$$\text{Distance travelled by train T} = \frac{1400}{10} \times 18 = 2520 \text{ km}$$

$$\text{Time taken by train T} = \frac{2520}{400 \times \frac{18}{100}} = \frac{315}{8} \text{ hours}$$

$$\text{Distance travelled by train R} = \frac{1400}{10} \times 25 = 3500 \text{ km}$$

$$\text{Time taken by train R} = \frac{3500}{400 \times \frac{25}{100}} = \frac{875}{32} \text{ hours}$$

$$\text{Total time} = \frac{315}{8} + \frac{875}{32} = \frac{1260+875}{32} = \frac{2135}{32} \text{ hours}$$

S175. Ans.(b)**Sol.**

$$\text{Distance travelled by train P} = 400 \times \frac{15}{100} \times 4 = 240 \text{ km}$$

$$\text{Distance travelled by train Q} = \frac{240}{12} \times 35 = 700 \text{ km}$$

$$\text{Distance travelled by train R} = \frac{240}{12} \times 25 = 500 \text{ km}$$

$$\text{Req. ratio} = \frac{700}{400 \times \frac{25}{100}} : \frac{500}{400 \times \frac{25}{100}} = \frac{700}{4 \times 25} : \frac{500}{4 \times 25} = 224 : 125$$

S176. Ans.(c)**Sol.**

When A, B, C are opened alternatively for 1 minutes each, time taken by them is 18 minutes. If all of them are opened simultaneously, they will fill tank 3 times faster.

Hence time taken by each of them = $\frac{18}{3} = 6$ minutes.Tank filled by them in 1 minute when all of them are opened together = $\frac{1}{6}$ Let B and C together takes x minutes \therefore A will take $x + 5$ minutes

Now

$$\frac{1}{x} + \frac{1}{x+5} = \frac{1}{6}$$

$$\frac{2x+5}{x(x+5)} = \frac{1}{6}$$

$$12x + 30 = x^2 + 5x$$

$$\Rightarrow x = 10 \text{ minutes}$$

Hence time taken by B and C together is 10 minutes.

Given,

C is 20% less efficient than B.

Let C takes $5K$ minutesB takes $4K$ minutes

Then

$$\frac{1}{5K} + \frac{1}{4K} = \frac{1}{10}$$

$$\frac{9}{20K} = \frac{1}{10}$$

$$K = \frac{9}{2}$$

$$\therefore \text{B takes} = \frac{4 \times 9}{2} = 18 \text{ minutes}$$

S177. Ans.(c)**Sol.**Profit earned on x items is $\frac{20}{100} \times 20 = \text{Rs. } 4$ eachTotal profit = $4x$ Profit earned on y items is $\frac{25}{100} \times 20 = \text{Rs. } 5$ on each

Similarly, on each,

Total profit = $5y$

Total profit earned on sold items

$$4x + 5y = 147 \dots(i)$$

Now if he calculates his profit on overall items

$$24x + 25y - 800 = 7$$

$$24x + 25y = 807 \dots(ii)$$

From $6 \times (i) - (ii)$

$$y = 15$$

$$x = 18.$$

So, items sold on 20% profit = 18

S178. Ans.(c)**Sol.**Let the cost price of both the articles is x & y respectively.If he earn profit of 12.5% on x and sold second item on profit of 20%.

ATQ,

$$x \left[\frac{100+12.5}{100} \right] = y + y \times \frac{20}{100}$$

$$x \times \frac{9}{8} = \frac{6y}{5}$$

$$15x = 16y \dots(i)$$

Also,

Difference of profit of two items is given 10 and we don't know which one is greater, there for two cases are possible...

First when 12.5% profit on cost price x is greater

$$\left(\frac{9x}{8} - x \right) - \left(\frac{6y}{5} - y \right) = 10$$

$$\frac{1}{8}x - \frac{1y}{5} = 10$$

$$5x - 8y = 40$$

Hence it can't be solved with equation (i).

Now assume 20% profit on cost price Y is greater

$$\frac{1}{5}y - \frac{1}{8}x = 10$$

$$8y - 5x = 400$$

On solving we will get

$$y = 150$$

$$x = 160$$

Hence total CP of both articles = Rs. 310.

S179. Ans.(b)**Sol.**Let initial speed of Aman is x km/hr.Distance travelled by him in 2 hours is $2x$ km.While distance travelled by Rajiv in these 2 hours is $75 \times 2 = 150$ km

When both of them meet, Aman had travelled a distance of 108 km.

Distance travelled by Aman with 25% increase in his speed = $(108 - 2x)$ kmAnd his increased speed = $x \left(\frac{125}{100} \right) = \frac{5x}{4}$ km/hr

If Aman had travelled 108 km, Rajiv had travelled 192 km.

$$192 - 150 = 42 \text{ km after 2 hours}$$

Time taken by Rajiv to travel 42 km

$$= \frac{42}{75} = \frac{14}{25} \text{ hours}$$

This is equal to time taken by Aman to travel $(108 - 2x)$ km

$$\frac{(108-2x)}{\frac{5}{4}x} = \frac{14}{25}$$

$$108 - 2x = \frac{14 \times 5x}{25 \times 4}$$

$$108 = \frac{7}{10}x + 2x$$

$$\frac{27}{10}x = 108 \Rightarrow x = 40 \text{ km/hr.}$$

Therefore increased speed of Aman was

$$= \frac{5}{4} \times 40$$

$$= 50 \text{ km/hr}$$

S180. Ans.(d)

Sol.

Let even numbers is $x, x+2, x+4$

Let odd numbers is $y, y+2, y+4$

ATQ,

$$3x + 6 - 39 = 3y + 6$$

$$x - y = 13 \dots(i)$$

and

$$y + x + 4 = 59$$

$$x + y = 55 \dots(ii)$$

Solving (i) and (ii)

$$y = 21, x = 34$$

$$\text{sum} \rightarrow 177 = 21 + 23 + 25 + 34 + 36 + 38$$

S181. Ans.(c)

Sol.

Out of 80 kg of milk, 8 kg of milk was taken out, means 10% of the mixture taken out

Milk after three replacements

$$= 80 \times \frac{9}{10} \times \frac{9}{10} \times \frac{9}{10}$$

$$= 58.32 \text{ kg}$$

Or

Amount of liquid after 'n' operations, when the container originally contains 'x' unit of

liquid from which 'y' unit is taken out each time

$$= x \left[\frac{x-y}{x} \right]^n \text{ unit}$$

$$\Rightarrow \text{Amount of milk left} = 80 \left[\frac{80-8}{80} \right]^3 \text{ kg} = 80 \left[\frac{72}{80} \right]^3 = 80 \left[\frac{9}{10} \right]^3 = 58.32 \text{ kg}$$

S182. Ans.(a)

Sol.

Let income of D = 1000

$$\text{Income of C} = \frac{1000 \times 70}{100} = 700$$

$$\text{Income of B} = \frac{700 \times 90}{100} = 630$$

$$\text{Income of A} = 787.5$$

ATQ,

$$\frac{787.5 + 630 + 700 + 1000}{4} = 1558.75$$

$$1 \text{ unit} \Rightarrow 20$$

$$\text{Income of B} \rightarrow 630 \times 20 = 12600 \text{ Rs.}$$

S183. Ans.(e)

Sol.

Let A invested for '(x-2)' months and B invested for 'x' months

And Let A's investment be 'y' then B's investment is 1.3y

Ratio of Profit share of A and B is

$$y \times (x - 2) : 1.3y \times x \rightarrow 675 : (1845 - 675)$$

$$\frac{x-2}{1.3x} = \frac{15}{26}$$

$$26x - 52 = 19.5x$$

$$x = 8 \text{ months}$$

B invested for 8 months

S184. Ans.(d)

Sol.

Let cost price of article 'A' and 'B' be $400x$ and $500x$ respectively.

$$\text{Mark price of article 'A'} = 400x \times \frac{250}{100} = 1000x$$

$$\text{Selling price of article 'A'} = 1000x \times \frac{60}{100} = 600x$$

Profit earned on article 'A' = $200x$ = Profit earned on article 'B'

$$\text{Selling price of article 'B'} = 500x + 200x = 700x$$

$$\text{Discount given on article 'B'} = \frac{1000x - 700x}{1000x} \times 100 = 30\%$$

S185. Ans.(b)

Sol.

Let he invested Rs. Y in second scheme

5% per half year means 10% per annum in SI

Therefore, amount obtained by him after two years

$$= Y + \frac{Y(2)(10)}{100}$$

$$= \frac{6Y}{5}$$

If he invested Rs. 30000/- in a scheme, which offers ROI of 10% per annum

Amount obtained by him after two years is

$$= 30000 \left(1 + \frac{10}{100} \right)^2$$

$$= \text{Rs. } 30000 \times \frac{11}{10} \times \frac{11}{10}$$

$$= \text{Rs. } 36300$$

Now According to Q

$$\Rightarrow 36300 = \frac{1(6Y)}{2}$$

$$\Rightarrow Y = \frac{36300 \times 2}{6}$$

$$= \text{Rs. } 60500/-$$

S186. Ans.(c)

Sol.

Time when P and Q meet first time

$$= \frac{300}{25+15} = \frac{300}{40} = 7.5 \text{ hr}$$

$$\text{Distance travelled by P} = 7.5 \times (25 + 5) = 225 \text{ km}$$

$$\text{Distance travelled by Q} = 7.5 \times (15 - 5) = 75 \text{ km}$$

P reach at point B in $\frac{75}{30}$ i.e., 2.5 hour

In 2.5hr Q travelled $2.5 \times 10 = 25 \text{ km}$

Now Boat P returns and relative distance b/w P and Q is 100 km and relative speed

is 10 km i.e., difference of speed of P $(25 - 5) = 20 \text{ km/hr}$ (upstream) and speed of Q

$(15 - 5) = 10 \text{ km/hr}$ (upstream)

$$\text{Time taken by P and Q to meet} = \frac{100}{10} = 10 \text{ hr}$$

$$\text{Total time when P and Q meet second time} = 7.5 + 2.5 + 10 = 20 \text{ hr}$$

S187. Ans.(d)

Sol.

Let the radius of circle is R

ATQ,

$$\frac{\pi R^2}{2\pi R} = \frac{21}{2} \Rightarrow R = 21$$

Volume of sphere of same radius

$$= \frac{4}{3}\pi R^3$$

Let, radius of cylinder is r and height is h

$$\frac{4}{3}\pi R^3 = \pi r^2 h$$

$$r^2 h = \frac{4}{3} \times 21 \times 21 \times 21$$

$$= 4 \times 7 \times 21 \times 21$$

$$r^2 h = 28 \times 21 \times 21 \quad \dots(i)$$

In question

$$h : D = 2 : 3 \quad [D \text{ is diameter of cylinder}]$$

$$h : r = 2 : 3/2$$

$$= 4 : 3$$

$$4x : 3x$$

Put this in equation (i)

$$36x^3 = 28 \times 21 \times 21$$

$$x^3 = 7 \times 7 \times 7$$

$$x = 7$$

$$\text{height} = 28 \text{ units}$$

S188. Ans.(b)

Sol.

Case I-

$$\text{Relative speed} = \frac{75}{\frac{15}{2}} = 10 \text{ m/s}$$

$$= 10 \times \frac{18}{5} = 36 \text{ km/hr}$$

$$\text{Speed of train} = 36 - 6 = 30 \text{ km/hr}$$

Case II-

$$\text{Relative speed} = \frac{75}{\frac{27}{4}} = 100 \text{ m/s}$$

$$= \frac{100}{9} \times \frac{18}{5} = 40 \text{ km/hr}$$

$$\text{Speed of second person} = 40 - 30 = 10 \text{ km/hr}$$

S189. Ans.(d)

Sol.

$$\text{I. } x^2 + x - 12 = 0$$

$$x^2 + 4x - 3x - 12 = 0$$

$$x(x + 4) - 3(x + 4) = 0$$

$$(x + 4)(x - 3) = 0$$

$$\Rightarrow x = -4, 3$$

II.

$$y^2 - 8y + 15 = 0$$

$$y^2 - 3y - 5y + 15 = 0$$

$$y(y - 3) - 5(y - 3) = 0$$

$$(y - 3)(y - 5) = 0$$

$$\Rightarrow y = 3, 5$$

$$\therefore x \leq y$$

S190. Ans.(b)

Sol.

$$\text{I. } 20x^2 - 17x + 3 = 0$$

$$20x^2 - 12x - 5x + 3 = 0$$

$$4x(5x - 3) - 1(5x - 3) = 0$$

$$(5x - 3)(4x - 1) = 0$$

$$\Rightarrow x = \frac{3}{5}, \frac{1}{4}$$

$$\text{II. } 56y^2 + 2y - 4 = 0$$

$$56y^2 + 16y - 14y - 4 = 0$$

$$4y(14y + 4) - 1(14y + 4) = 0$$

$$(14y + 4)(4y - 1) = 0$$

$$\Rightarrow y = -\frac{4}{14}, \frac{1}{4}$$

$$= x \geq y$$

S191. Ans.(e)

Sol.

$$\text{I. } 28x^2 + x - 15 = 0$$

$$28x^2 + 21x - 20x - 15 = 0$$

$$7x(4x + 3) - 5(4x + 3) = 0$$

$$(4x + 3)(7x - 5) = 0$$

$$\Rightarrow x = -\frac{3}{4}, \frac{5}{7}$$

$$\text{II. } 21y^2 - 17y - 30 = 0$$

$$21y^2 - 35y + 18y - 30 = 0$$

$$7y(3y - 5) + 6(3y - 5) = 0$$

$$(3y - 5)(7y + 6) = 0$$

$$\Rightarrow y = \frac{5}{3}, -\frac{6}{7}$$

\therefore no relation

S192. Ans.(d)

Sol. Pattern of series-

$$7 \times 2 = 14$$

$$14 \times 3 = 42$$

$$42 \times 5 = 210$$

$$210 \times 7 = 1470$$

$$1470 \times 11 = 16,170$$

S193. Ans.(a)

Sol. Pattern of series-

$$\begin{array}{cccccc} 1600 & 1595 & 1590 & 1580 & 1540 & 1220 \\ \hline & -5 & -5 & -10 & -40 & -320 \\ \hline & -5 \times 1 & -5 \times 2 & -10 \times 4 & -40 \times 8 & \end{array}$$

S194. Ans.(c)

Sol. Pattern of series-

$$789 + (1)^8 = 790$$

$$790 + (2)^8 = 798$$

$$798 + (3)^8 = 825$$

$$825 + (4)^8 = 889$$

$$889 + (5)^8 = 1014$$

S195. Ans.(b)

Sol. Pattern of series

$$\begin{array}{cccccc} 4 & 7 & 15 & 30 & 54 & 89 \\ \hline +3 & +8 & +15 & +24 & +35 \\ \hline +5 & +7 & +9 & +11 & \end{array}$$

S196. Ans.(e)

Sol. Pattern of series

$$1811 - 19 = 1792$$

$$1792 - 17 = 1775$$

$$1775 - 13 = 1762$$

$$1762 - 11 = 1751$$

$$1751 - 7 = 1744$$

S197. Ans.(d)

Sol.

$$\frac{44}{4} \times \frac{7.5}{2.5} + 3 = \sqrt{?}$$

$$\sqrt{?} = 11 \times 3 + 3$$

$$36 = \sqrt{?}$$

$$? = 1296$$

S198. Ans.(b)

Sol.

$$\sqrt{37.5\% \times 400 + 75\% \times 60} = ?$$

$$? = \sqrt{150 + 45}$$

$$? = \sqrt{196}$$

$$? = 14$$

S199. Ans.(a)

Sol.

$$729 + 512 + 5 \times 18 = ?^8$$

$$1241 + 90 = ?^8$$

$$1331 = ?^8$$

$$? = 11$$

S200. Ans.(b)

Sol.

$$\frac{62}{100} \times ? + 576 = 961 - 13$$

$$\frac{62}{100} \times ? = 948 - 576$$

$$\frac{62}{100} \times ? = 372$$

$$? = 600$$

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