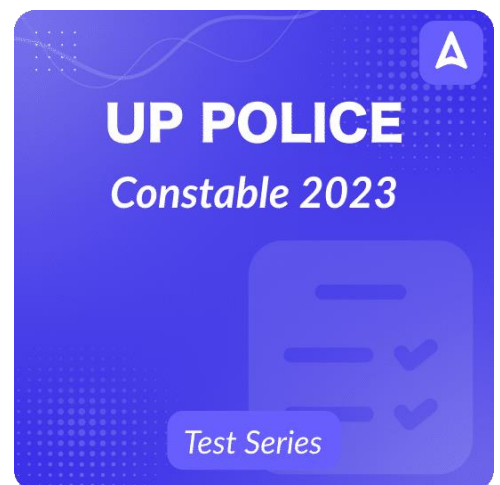


UP Police Previous Year Paper

- Q1.** Which device can be used to measure the density of a liquid?
(a) Anemometer
(b) Beviameter
(c) Eudiometer
(d) Pycnometer
- Q2.** The Central University Babasaheb Bhimrao Ambedkar University, Vidya Vihar, is located in which city?
(a) Agra
(b) Kanpur
(c) Varanasi
(d) Lucknow
- Q3.** Where is the headquarters of the Uttar Pradesh Police located?
(a) Bareilly
(b) Prayagraj
(c) Noida
(d) Meerut
- Q4.** In which year did Uttarakhand come into existence?
(a) 2000
(b) 1991
(c) 2016
(d) 2011
- Q5.** Barsana Holi is played with
(a) tomatoes
(b) milk
(c) stones
(d) sticks
- Q6.** The Kampli Fair held in Uttar Pradesh is associated with which community?
(a) Jain
(b) Sikh
(c) Christain
(d) Buddhists
- Q7.** _____ is an exponent of Kathak dance in India.
(a) Sonal Mansingh
(b) Mallika Sarabhai
(c) Pandit Birju Maharaj
(d) Uday Shankar



Q8. Which of the following is NOT one of the stages of the selection procedure of UP Police Department?

- (a) Physical Test
- (b) Educational Qualification
- (c) Age Eligibility
- (d) Language Test

Q9. According to a legend, which God sacrificed ten horses during Dashashwamedh yajna performed at the Dashashwamedh Ghat?

- (a) Lord Vishnu
- (b) Lord Brahma
- (c) Lord Shiva
- (d) Goddess Kali

Q10. Which of the following is the highest gallantry award in India?

- (a) Ashoka Chakra
- (b) Param Vir Chakra
- (c) Kirti Chakra
- (d) Vir Chakra

Q11. "My Passage from India" is a book written by

- (a) Mulk Raj Anand
- (b) Edward Morgan Forster
- (c) Vidiadhar Surajprasad Naipaul
- (d) Ismail Merchant

Q12. World Environment Day is held on which day?

- (a) 22nd April
- (b) 8th May
- (c) 5th June
- (d) 11th June

Q13. Who invented the jet engine?

- (a) Roger Bacon
- (b) Sir Frank Whittle
- (c) James Watt
- (d) Lewis Edson Waterman

Q14. Which of the following social media networks is NOT a publicly listed company?

- (a) Twitter
- (b) Facebook
- (c) Weibo
- (d) Quora

Q15. Which Indian state has its maximum area under forest cover?

- (a) Kerala
- (b) Maharashtra
- (c) Uttar Pradesh
- (d) Madhya Pradesh

Q16. _____ is the official currency of Finland.

- (a) Dollar
- (b) Pound
- (c) Rial
- (d) Euro

Q17. Which line demarcates the boundary between India and Pakistan?

- (a) McMahon Line
- (b) Redcliffe Line
- (c) Madison Line
- (d) Durand Line

Q18. Pyongyang is the capital of which country?

- (a) Maldives
- (b) Mongolia
- (c) Malaysia
- (d) North Korea

Q19. Which of the following is NOT a state of the United States of America?

- (a) New York
- (b) Minnesota
- (c) Louisiana
- (d) Atlanta

Q20. The people of Lakshadweep speak which other language besides Malayalam?

- (a) Tamil
- (b) Mahl
- (c) Bengali
- (d) Hindi

Q21. Name the younger son of Shivaji who was also the third Chhatrapati.

- (a) Rajaram
- (b) Sambhaji
- (c) Shahu
- (d) Bajirao

Q22. _____ is an ancient folk dance originating from Odisha.

- (a) Puli Kali
- (b) Raut Nacha
- (c) Dollu Kunitha
- (d) Ghumura

Q23. The salary of the President of India is _____ per month.

- (a) 1.5 lakh
- (b) 15 lakh
- (c) 50 lakh
- (d) 5.9 lakh

Q24. India ranks at 3rd position, behind _____ and Indonesia, in its annual coconut production.

- (a) Madagascar
- (b) Myanmar
- (c) Malaysia
- (d) Philippines

Q25. The handwritten Constitution was signed on 24th January, 1950, by 284 members of the Constituent Assembly, which included _____ women.

- (a) 30
- (b) 20
- (c) 15
- (d) 25

Q26. The Kakori train robbery was conceived by Ram Prasad Bismil and _____ .

- (a) Khudiram Bose
- (b) Shivaram Rajguru
- (c) Ashfaqullah Khan
- (d) Jatindra Nath Das

Q27. Bagru is one of the famous centres of hand block printing in _____.

- (a) Jammu and Kashmir
- (b) Rajasthan
- (c) Assam
- (d) Kerala

Q28. The Current cash reserve ratio set by RBI is _____ percent.

- (a) 5.50
- (b) 6
- (c) 4.50
- (d) 7

Q29. Hawa Mahal was built in 1799 A.D. by Maharaja _____ .

- (a) Prithviraj Chauhan.
- (b) Rai Bular Bhatti
- (c) Sawai Pratap Singh
- (d) Rani Padmini

Q30. Antonio Guterres, the incumbent UN Secretary-General was the Prime Minister of which country?

- (a) Spain
- (b) Portugal
- (c) Brazil
- (d) Mexico

Q31. The first international cricket match played at Lucknow's Ekana cricket stadium after its inauguration was a T20 game played between India and

- (a) West Indies
- (b) Sri Lanka
- (c) Australia
- (d) England

Q32. The 2022 Asian Games will be hosted by _____ .

- (a) Australia
- (b) China
- (c) Singapore
- (d) Malaysia

Q33. Name India's Chief of the Army Staff (COAS), who took office on 31st December 2016.

- (a) General Bipin Rawat
- (b) General Shankar Roychowdhury
- (c) General Bikram Singh
- (d) General Vijay Kumar Singh

Q34. Where was the 33rd ASEAN summit held in November 2018?

- (a) Indonesia
- (b) Thailand
- (c) Singapore
- (d) Malaysia

Q35. Which organ in the human body produces insulin?

- (a) Liver
- (b) Pancreas
- (c) Spleen
- (d) Gall bladder

Q36. Which of the following is a non-metal that remains in liquid state at room temperature?

- (a) Mercury
- (b) Bromine
- (c) Chlorine
- (d) Helium

Q37. Which of the following elements has the smallest atomic radius?

- (a) Bromine
- (b) Chlorine
- (c) Sodium
- (d) Calcium

Q38. $\text{CH}_3\text{COOCH}_2\text{CH}_3$ is the formula of _____?

- (a) Butanoic acid
- (b) Methyl ethanoate
- (c) Ethyl ethanoate
- (d) Propanoic acid

Q39. A is half as efficient as B who is thrice as efficient as C. In how many days can all 3 of them complete a task if B can complete the task alone in 6 days?

- (a) 3.13
- (b) 3.27
- (c) 3.33
- (d) 3.36

Q40. X travelled a distance of 75 km in 8 hours. He travelled partly by foot @ 5 km/h and partly on bicycle @ 12 km/h. Find the distance that X covered on foot.

- (a) 12.5 km
- (b) 13.75 km
- (c) 14.25 km
- (d) 15 km

Q41. A sphere of radius 10 cm is melted and made into a cone of height 10 cm. Find the diameter of the cone.

- (a) 10 cm
- (b) 20 cm
- (c) 40 cm
- (d) 80 cm

Q42. A set consists of 5 consecutive integers starting from 3. What is the percentage decrease in the average of the set when the greatest integer is removed from the set?

- (a) 8.5%
- (b) 10%
- (c) 11%
- (d) 12.5%

Q43. Which one of the following is the minimum sum of 2 integers whose product is 64?

- (a) 12
- (b) 8
- (c) 20
- (d) 16

Q44. Find the least number by which 1,200 must be multiplied to make it a perfect square.

- (a) 2
- (b) 3
- (c) 4
- (d) 5

Q45. Find the value of:

$$\sqrt{(3 + \sqrt{(27 + \sqrt{(73 + \sqrt{64}))})})}$$

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Q46. If $\frac{x}{y} = \frac{4}{5}$ and $7x + 6y = 29$, find the value of y .

- (a) 2.5
- (b) 2.4
- (c) 2.3
- (d) 2.2

Q47. The HCF and LCM of 2 numbers are 2 and 60 respectively. If one of the numbers is 14 more than the other, find the smaller number.

- (a) 4
- (b) 5
- (c) 6
- (d) 7

Q48. 39 candies are to be distributed to A and B in the ratio of 4:9, how many more candies does B get than A?

- (a) 12
- (b) 15
- (c) 27
- (d) 33

Q49. An article was sold for Rs. 2,288 at a discount of 20% after 2 successive mark-ups of 10% and 30%. Find the cost price of the article.

- (a) Rs. 1,500
- (b) Rs. 1,750
- (c) Rs. 1,900
- (d) Rs. 2,000

Q50. A cloth piece was purchased for Rs. 600. At what price should it be sold to get a profit of 12.5% after a tailoring charge of 40 was paid for?

- (a) Rs. 640
- (b) Rs. 680
- (c) Rs. 700
- (d) Rs. 720

Q51. An article was bought for Rs. 2,500. He allows a discount of 12% on its marked price and still gains 10%. Find the marked price of the article.

- (a) Rs. 3,125
- (b) Rs. 3,500
- (c) Rs. 3,200
- (d) Rs. 3,000

Q52. In how many years will Rs. 1,500 double itself under simple interest system of 4% pa?

- (a) 20 years
- (b) 24 years
- (c) 25 years
- (d) 27 years

Q53. Rs. 1,000 becomes Rs. 1,144.9 in 2 years. At what rate is the principal amount compounded annually?

- (a) 6%
- (b) 7%
- (c) 8%
- (d) 9%

Q54. A loss of Rs. 1,152 has to be divided among A, B and C in the ratio 7:8:9, then what is the share of A?

- (a) 336
- (b) 342
- (c) 360
- (d) 384

Q55. A, B and C subscribe to a business of Rs. 50,000. B subscribes Rs. 6,000 more than C and A subscribes Rs. 2,000 more than B. What will be A's share of profit out of a total profit of Rs. 10,000?

- (a) Rs. 2,000
- (b) Rs. 2,500
- (c) Rs. 3,250
- (d) Rs. 4,000

Q56. A grocer has a sale of Rs. 2,000, Rs. 2,500, Rs. 3,250 and Rs. 4,250 in 4 months. How much should his sale in the 5th month be to get an overall average of 3,500?

- (a) Rs. 2,500
- (b) Rs. 3,500
- (c) Rs. 4,500
- (d) Rs. 5,500

Q57. B & C can complete a task in 40 days while A, B & C can complete the task in 20 days. In how many days can A complete the task alone?

- (a) 20
- (b) 25
- (c) 30
- (d) 40

Q58. Select the option that is related to the third word as the second word is related to the first word.

MUSIC: SZWLE:: CANOE:?

- (a) IFRSG
- (b) IERRG
- (c) IFRRG
- (d) IERSG

Q59. Find the missing numbers to complete the given series.:

9, 16, 24, 33, ? 54.?

- (a) 42;65
- (b) 43:65
- (c) 43:66
- (d) 42:66

Q60. Find the missing numbers (X and Y) in the series and find the value of Y/X:

10, 10, 20, X, 240, 1200, Y

- (a) 60
- (b) 120
- (c) 240
- (d) 480

Q61. Find the pair of the numbers that would fit into the pattern.

7 11, 8 12, 9 13, 10 14, ??

- (a) 11 15
- (b) 10 14
- (c) 11 14
- (d) 10 15

Q62. Which of the following options series is built on the same logic as:

C, F, I, L, O

- (a) L, O, S, U, X
- (b) L, O, S, V, Y
- (c) L, O, R, V, Y
- (d) L, O, R, U, X

Q63. Fill the missing letter in the given series.

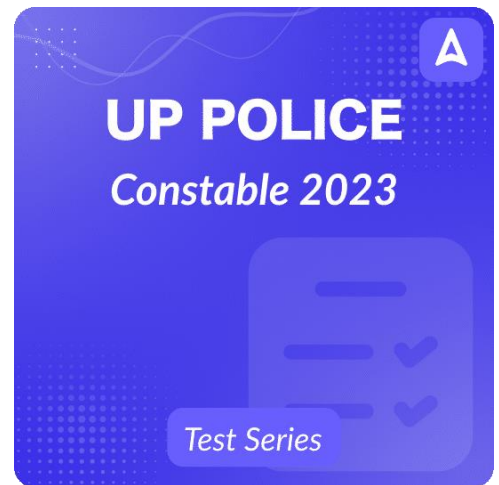
A, A, B, F, ?

- (a) W
- (b) X
- (c) Y
- (d) Z

Q64. Which pair in the options will complete the following series?

AZ, YB, _____ WD, _____

- (a) CX; VE
- (b) CX; EV
- (c) CV; EX
- (d) EV; CX



Q65. If $A \times B$ means A is to be south of B; $A+B$ means A is to the north of B; $A\% B$ means A is to the east of B; $A-B$ means A is to the west of B; then in $P \% Q+R-S$, S is in which direction with respect to Q?

- (a) South-west
- (b) South-east
- (c) North-west
- (d) North-east

Q66. One morning, X starts walking towards the sun, then takes a right, then takes 2 consecutive lefts. Towards which direction is the walking now?

- (a) North
- (b) East
- (c) West
- (d) South

Q67. A child went 90 feet in the west to look for his father, then he turned right and went 20 feet. After this, he turned right and walked 30 feet to reach his uncle's house. His father was NOT there. From there he went 100 feet to his south and met his father. How far did he meet his father from the starting point?

- (a) 140 feet
- (b) 110 feet
- (c) 120 feet
- (d) 100 feet

Q68. X walked from point A to B. He turns right and walks 17 feet. He again turns right and walks a distance which is equal to that of from A to B. He again turns right and walks 9 feet. How far is he from the starting point?

- (a) 7 feet
- (b) 7.5 feet
- (c) 8 feet
- (d) 9 feet

Q69. In the question, one statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: Domestic demand has been increasing faster than the production of wheat.

Conclusion I: Domestic demand must be reduced.

Conclusion II: We should export wheat.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither I nor II follows

Q70. In the question, one statement is given, followed by two arguments 1 and 2. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any, supports the given statements.

Statement: Should mid-day meals in government schools be stopped?

Arguments 1: No, it provides at least one meal to the underprivileged children.

Arguments 2: Yes, it provides a wrong incentive to attend school.

- (a) Only argument 1 is strong
- (b) Only argument 2 is strong
- (c) Both arguments 1 and 2 are strong
- (d) Neither argument 1 nor 2 is strong

Q71. In the question two statements are given, followed by three conclusions, I, II and III. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, supports the given statements.

Statement 1: All the students in a class are bright.

Statement 2: X is NOT bright.

Conclusion I: Some students are NOT bright.

Conclusion II: X must work hard.

Conclusion III: X is NOT a student of that class.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Only conclusion III follows
- (d) Neither of the 3 follow

Q72. Which of the following words does NOT have its letters in an alphabetical order?

- (a) Blank
- (b) Alloy
- (c) Empty
- (d) Begin

Q73. Which of the following words can be formed from the letter: ydcinratioi

- (a) Dictionary
- (b) Directory
- (c) Direction
- (d) Doctrine

Q74. Select the option that is related to the third word as the second word is related to the first word.

Rooster: Hen:: Stallion: ?

- (a) Horse
- (b) Mare
- (c) Foal
- (d) Doe

Q75. Each one of the following options consists of pairs of words. Choose the pair that is similar of the pair given in the question. Writer: Book

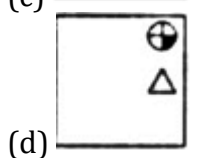
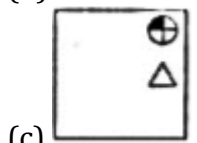
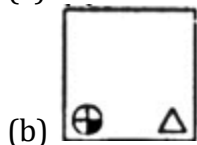
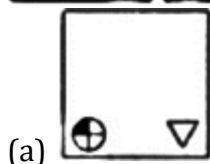
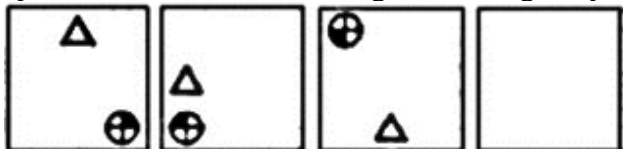
- (a) Painter: Brush
- (b) Sculptor: Stone
- (c) Potter: Pot
- (d) Dancer: Shoes

Q76. Select the option that is related to the third term as the second term is related to the first term.

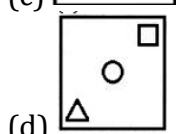
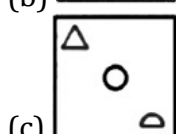
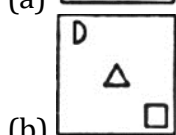
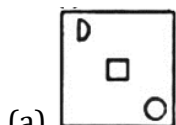
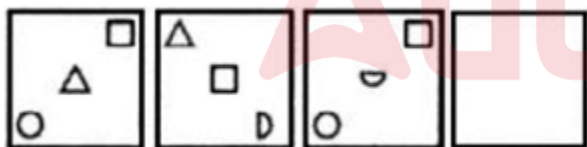
AB: NO :: KL:?

- (a) WY
- (b) YZ
- (c) WX
- (d) XY

Q77. Which of the following answer figure patterns can complete the series given in the questions figure?



Q78. Which of the following answer figure patterns can complete the series given in the question figure?

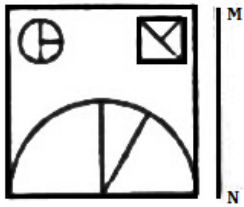


Q79. What is the minimum number of lines required to make the given image?



- (a) 16
- (b) 13
- (c) 15
- (d) 17

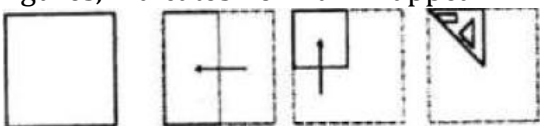
Q80. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



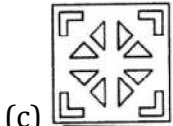
- (a)
- (b)
- (c)
- (d)



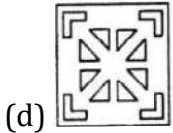
Q81. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicates how it will appear when opened.



- (a)
- (b)



(c)



(d)

Q82. Arrange the following words as per their order in an English dictionary and choose the one that comes first.

Voyages, Voucher, Volunteer, Voltmeter

- (a) Voyages
- (b) Voucher
- (c) Volunteer
- (d) Voltmeter

Q83. A series is given, with one word missing. Choose the correct option from the given ones that will complete the series.

Ethnic, Icebox, Oxen, Entice, ?

- (a) Chronic
- (b) Obscene
- (c) Century
- (d) Forgetful

Q84. A series is given, with one term missing. Choose the correct option from the given ones that will complete the series.

EDC, GHI, MLK, OPQ, UTS ?

- (a) YXW
- (b) XYZ
- (c) ZYX
- (d) WXY

Q85. A series is given, with one term missing. Choose the correct option from the given ones that will complete the series.

WWWWW, WWWWM, WWWMM, WWWMM, WWWMM, ?

- (a) MWWWMM
- (b) MWWWMM
- (c) MWWWMM
- (d) MWWWMM

Q86. A series is given, with one number missing. Choose the correct option from the given ones that will complete the series.

-10.8, -8.9, -7, ?, -3.2

- (a) -4.9
- (b) -5.3
- (c) -4.7
- (d) -5.1

Q87. If the 4th day of a month is Friday, which of the following would be the 3rd day after the 25th day of that month?
(a) Wednesday
(b) Tuesday
(c) Sunday
(d) Monday

Q88. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

G49, I81, K121, M169, ?

- (a) O225
- (b) N196
- (c) O289
- (d) N225

Q89. In a code language, 972 means 'steel is strong'. 298 means 'iron is strong' and 387 means 'iron and steel'. Find the code for 'and'.

- (a) 7
- (b) 8
- (c) 2
- (d) 3

Q90. In a certain code. WANT is written as 4715 and COPE is written as 2863. How is NOTE written in that code?

- (a) 2384
- (b) 8118
- (c) 1853
- (d) 9890

Q91. If in a certain code language. '+' represents '×', '-' represents '+', '×' represents '÷' and '÷' represents '-', then find the value of the following expression.

$8 \div 4 \times 2 - 9 + 3$

- (a) 20
- (b) 12
- (c) 33
- (d) 15

Q92. If CENTAUR is coded as ACLRYSP, then how will HOP be coded as?

- (a) PGD
- (b) FMN
- (c) WSX
- (d) RFV

Q93. If A@B means A is the son of B, A# B means A is the husband of B and A*B means A is the daughter of B, then what does P @ Q * R # S mean?

- (a) S is the mother of P
- (b) P is the grandmother of S
- (c) P is the mother of S
- (d) S is the grandmother of P

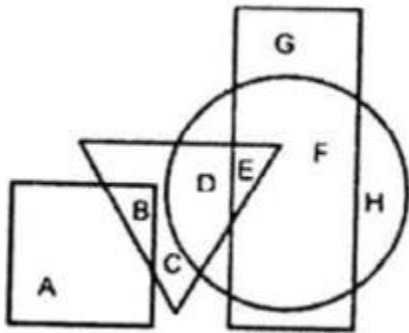
Q94. If $P \% Q$ means P is the brother of Q, $P ! Q$ means P is the mother of Q and $P * Q$ means P is the son of Q, then which of the following shows that C is F's mother's brother's son?

- (a) $C \% D * E ! F$
- (b) $C * D ! E \% F$
- (c) $C * D \% E ! F$
- (d) $C \% D ! E F$

Q95. C said to D, "You are my sister's husband's father-in-law." How is D related to C?

- (a) D is the grandfather of C
- (b) D is the father-in-law of C
- (c) D is the father of C
- (d) D is the son of C

Q96. In the following figure, the square represents psychologists, the triangle represents chemists, the circle represents actors and the rectangle represents mothers. Which set of letters represents mothers who are NOT actors?

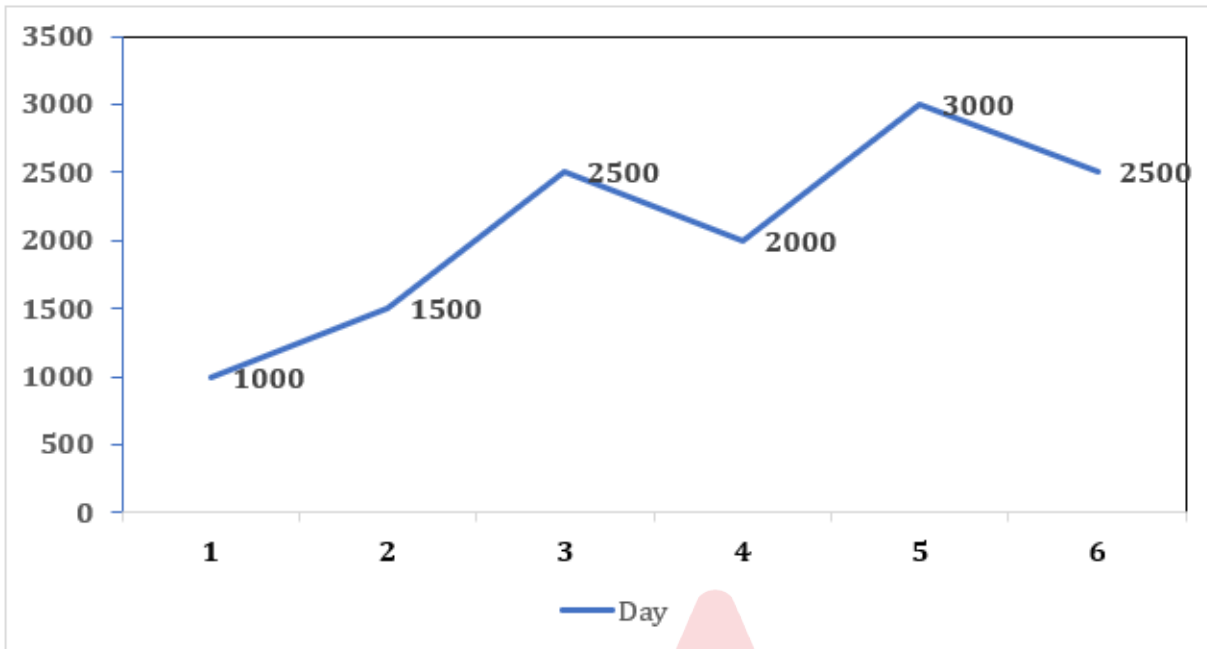


- (a) B
- (b) G
- (c) D + E
- (d) B + C

Q97. Which of the following Venn diagrams best represents the relationship between herbivores, wolves and tigers ?

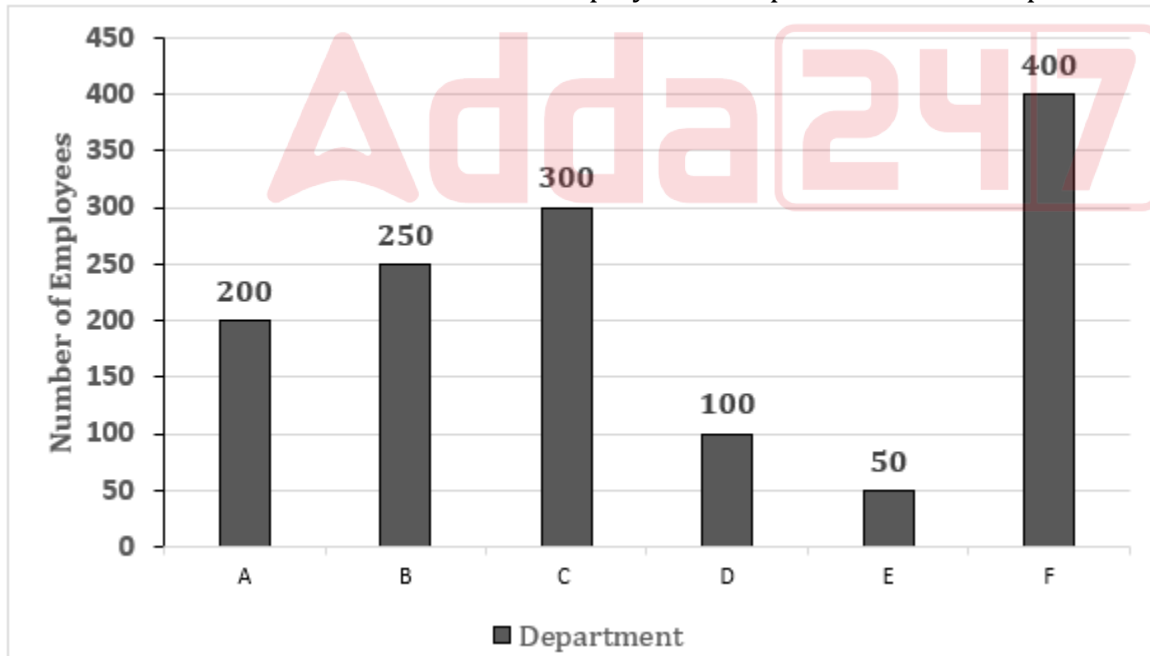
- (a)
- (b)
- (c)
- (d)

Q98. The given line graph shows the record of number of tickets sold at the theatre counter on the first 6 days of a show. On how many was the number of tickets sold less than that sold on the previous day ?



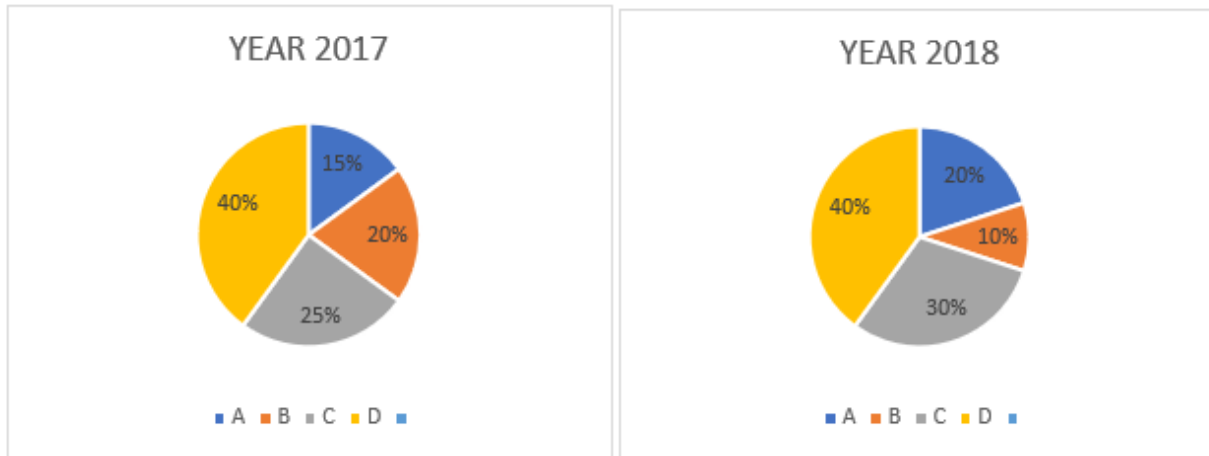
- (a) 3
- (b) 1
- (c) 2
- (d) 4

Q99. The given bar graph shows the number of employees working in 6 departments of a company. What is the difference between the number of employees of Department E and Department C?



- (a) 50
- (b) 250
- (c) 150
- (d) 200

Q100. The given pie charts show the shares owned by the four partners of a certain company for the years 2017 and 2018. The company had issued 1000 shares that are now owned by the four partners. B sold some of his shares to A and C. If A paid Rs. 2,000 for each share. How much did B receive from C for the shares sold to C?



- (a) Rs. 50,000
- (b) Rs. 1,00,000
- (c) Rs. 2,00,000
- (d) Rs. 3,00,000

Q101. Which word does NOT belong with the others?

- (a) Fail
- (b) Sad
- (c) Happy
- (d) Excited

Q102. Find the odd letters from the given alternatives.

- (a) ORU
- (b) CEG
- (c) IKM
- (d) UWY

Q103. Choose the figure which is different from the rest.

- (a)

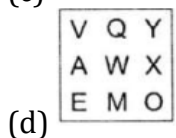
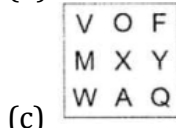
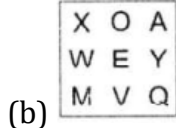
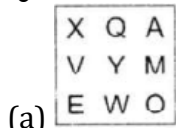
x	x	x
+	+	+
x	+	x
- (b)

+	x	+
x	x	x
+	x	+
- (c)

x	x	+
+	x	+
+	x	x
- (d)

+	+	+
x	x	x
+	x	+

Q104. Choose the figure which is different from the rest.



Q105. Select the related word from the given alternatives.

Wife: Husband: Bride: ?

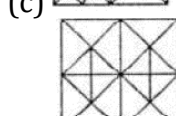
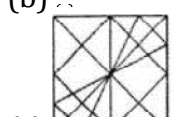
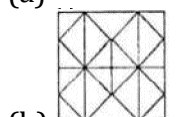
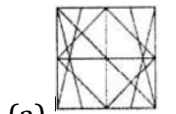
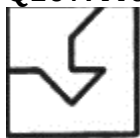
- (a) Marriage
- (b) Love
- (c) Man
- (d) Groom

Q106. Select the related number from the give alternatives.

2.3 : 8 : 3.4 : ?

- (a) 64
- (b) 81
- (c) 25
- (d) 36

Q107. From the given answer figures, select the one in which the question figure is hidden/ embedded.



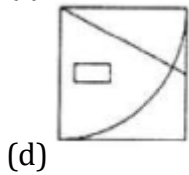
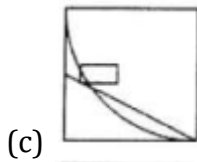
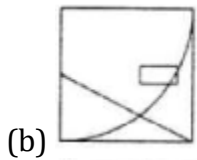
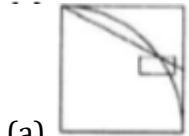
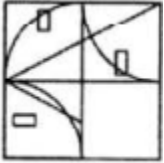
A

UP POLICE

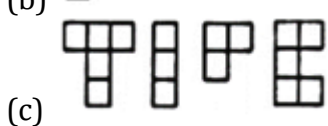
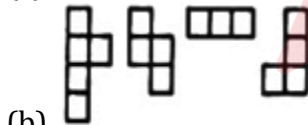
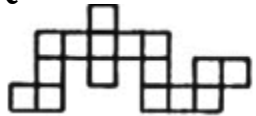
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Test Series

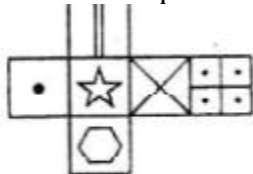
Q108. Which answer figure will complete the pattern in the question figure ?

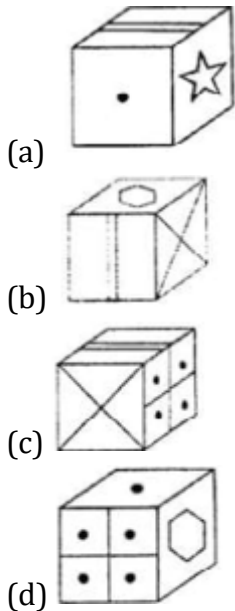


Q109. Which of the following answer figure patterns can be combined to make the question figure ?



Q110. Which of the following cubes in the answer figure CANNOT be made on the basis of the unfolded cube in the question figure ?





Directions (111-113): Read the following information to answer the given 3 questions

Following are the conditions for awarding 5 lakh compensation to a farmer for loss due to flood.

- A) The farm affected by flood should be atleast of 5 acres, but NOT more than 25 acres.
- B) The flooded farm should be atleast 2 feet under water for atleast 1 week.
- C) Other income of the farmer should NOT be more than 20,000/month.
- D) The farm should have standing crop at the time of flooding.
- E) The farm should be uninsured.

However, in case a farmer fulfills all other criteria EXCEPT-

- 1) C above, any subsidy received can be excluded from other income.
 - 2) D above, if harvested and crop was submerged in floods then only 22.5 lakh will be awarded
 - 3) E above, if insured and insurance claimed is less than 5 lakh, then only difference will be compensated.
- Based on these criteria and information provided below, decide the course of action in each case. You are Not to assume any things.

Q111. Farmer X has 30 acres of farm of which 15 acres was under 2 feet flood water for 10 days. The farmer's other income of 25,000/month includes 6,000/- month subsidy. The farm had unharvested crop when it was flooded. The farm was NOT insured.

- (a) Award 5 lakh compensation
- (b) Award 2.5 lakh compensation
- (c) Award no compensation
- (d) Data inadequate

Q112. Farmer Y has NO other income. His 10 acre farm was flooded for 8 days under two and a half feet of water. The farmer receives NO subsidy and the crop was standing at the time of flooding.

- (a) Award 75 lakh compensation
- (b) Award 2.5 lakh compensation
- (c) Award no compensation
- (d) Data inadequate

Q113. Farmer Z has 20,000/ month other income. The crop was harvested but was lying in the field and submerged during flooding. 10 out of 15 acres were under 2.5 feet of water for a week. The farmer has claimed zero insurance.

- (a) Award 5 lakh compensation
- (b) Award 2.5 lakh compensation
- (c) Award no compensation
- (d) Data inadequate

Q114. निम्नलिखित प्रश्न में चार विकल्पों में से, दिए गए शब्द के सही समास वाला विकल्प पहचानिये।
चक्रधर

- (a) चक्र हैं घर में जिसके
- (b) चक्र हैं अधर में जिसके
- (c) चक्र धारण किया हैं जिसने
- (d) चक्र घर में जिसके

Q115. निम्नलिखित प्रश्न में चार विकल्प दिए गए हैं जिनमें से उस विकल्प का चयन करें जो शब्द / वाक्य का सबसे अच्छा एक शब्द' विकल्प है।

रात में घूमने वाला

- (a) भ्रमणीय
- (b) तपस्वी
- (c) निशाचर
- (d) अजर

Q116. निम्नलिखित प्रश्न में चार विकल्प दिए गए हैं जिनमें से एक शब्द दिए गए अनेकार्थी शब्द का एक अर्थ है। उस शब्द को चुनें।

मुद्रा

- (a) रूपया
- (b) भाग
- (c) पर्वत
- (d) गोद

Q117. निम्नलिखित प्रश्न में चार विकल्पों में से, सही कर्ता कारक को पहचानिए।

रोहन ने हॉकी खेली।

- (a) रोहन
- (b) ने
- (c) हॉकी
- (d) खेेली

Q118. नीचे दिए गए प्रश्न का सही विकल्प पहचानिए कर्ता का क्या अर्थ होता है?

- (a) जो सम्बन्ध जोड़े
- (b) जो कार्य करे
- (c) जिससे काम हो
- (d) जिसका काग हो

Q119. निम्नलिखित प्रश्न में चार विकल्पों में से, दिए गए वाक्य का सही काल वाला विकल्प पहचानिये।
आज वर्षा होगी।

- (a) सामान्य वर्तमान काल
- (b) संभाव्य वर्तमान काल
- (c) सामान्य भविष्य काल
- (d) भूतकाल

Q120. निम्नलिखित प्रश्न में चार विकल्पों में से सही सकर्मक क्रिया का उदहारण पहचानिए।

- (a) कशिश हँस रही है
- (b) चिड़ियाँ उड़ रही है
- (c) सूरज उग रहा है
- (d) सीता वीणा बजा रही है

Q121. निम्नलिखित प्रश्न में चार विकल्प दिए गए हैं जिनमें से उस विकल्प का चयन करें जो दिए गए शब्द का सही पुल्लिंग शब्द है।

सम्राज्ञी

- (a) राजा
- (b) महाराजा
- (c) सम्राट
- (d) बादशाह

Q122. नीचे दिए गए शब्द का सही बहुवचन रूप वाला विकल्प पहचानिए ।

चिड़िया

- (a) चिड़ियाँ
- (b) चिड़ियाएँ
- (c) चिड़ियों
- (d) चिडा

Q123. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो वर्ण स्वर की सहायता से बोले जाएँ उन्हें क्या कहा जाता है? -

- (a) स्वर
- (b) व्यंजन
- (c) वर्णमाला
- (d) ध्वनियाँ

Q124. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो बताता है कि- व्यंजन को स्वर रहित दिखने के लिए किस चिन्ह का उपयोग किया जाता है?

- (a) अनुस्वार
- (b) अनुनासिक
- (c) हलंत
- (d) स्वर

Q125. निम्नलिखित प्रश्न में, चार विकल्पों में से, संज्ञा शब्द से बनने वाला सही विशेषण शब्द वाला विकल्प चुनिए।
शक्ति

- (a) शक्तिवर्धक
- (b) शक्तिशाली
- (c) शक्तिरोधक
- (d) सशक्त

Q126. निम्नलिखित प्रश्न में दिए गए विकल्पों में से रेखांकित शब्द के आधार पर सर्वनाम के सही भेद को पहचानिए।
कोई आपसे मिलने आया है।

- (a) अनिश्चय वाचक सर्वनाम
- (b) प्रश्न वाचक सर्वनाम
- (c) सम्बन्ध वाचक सर्वनाम
- (d) निजवाचक सर्वनाम

Q127. अयोध्यासिंह उपाध्याय हरिऔध जी की प्रसिद्ध रचना कौन सी है?

- (a) झरना
- (b) प्रियप्रवास
- (c) प्रेम प्रलाप
- (d) अंधा युग

Q128. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो बताता है कि फणीश्वरनाथ रेणु द्वारा रचित उपन्यास कौन सा है?

- (a) मधुशाला
- (b) मैला आँचल
- (c) मुद्राराक्षस
- (d) मृगनयनी

Q129. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो बताता है कि - इनमें से कौन सी मीराबाई द्वारा रचित रचना नहीं है?

- (a) राग गोविन्द
- (b) गीतगोविन्द
- (c) राग सोरठ के पद
- (d) वैदेही वनवास

Q130. माखनलाल चतुर्वेदी को किस रचना के लिए साहित्य अकादमी पुरस्कार दिया गया था?

- (a) हिमतरंगिनी
- (b) समर्पण
- (c) युगचरण
- (d) माता

Directions (131-135): नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।

पारखी डा. बोगल ने यूं ही नहीं चम्बा को अचंभा नहीं कह डाला था और इसमें सैलानी भी इस नगरी में यूं ही नहीं खिचे चले आते। चम्बा की वादियों में ऐसा कोई सम्मोहन जरूर है जो सैलानियों को मंत्रमुग्ध कर देता है और वे बार-बार यहाँ दस्तक देने चले आते हैं। जहाँ मंदिर में उठती स्वर लहरियाँ परिवेश को आध्यत्मिक बनाती हैं वहीं रावी की नदी की मस्त रवानगी और पहाड़ों से आते शीतल हवा के झोंके से सैलानियों को ताजगी का एहसास कराते हैं। चम्बा का इतिहास, कला, धर्म और पर्यटन का मनोहरी मेल है और चम्बा के लोग अलमस्त, फक्कड़ तबीयत के चम्बा की पहाड़ियों को ज्यों-ज्यों हम पार करते हैं, आश्रयों के कई बर्क सामने खुलते चले जाते हैं। प्रकृति अपने दिव्य सौन्दर्य की झलक दिखलाती है। चम्बा के सौन्दर्य को आत्मसात करने के बाद ही डा. बोगल ने इसे अचंभा कहा होगा। चम्बा का यह सौभाग्य रहा कि उसे एक से एक बड़ा कलाप्रिय, धार्मिक और जनसेवक राजा मिला। इन राजाओं के काल में न सिर्फ यहाँ की लोककलाएँ फली फूलीं अपितु इनकी ख्याति चम्बा की सीमाओं को पार करके पूरे भारत में फैली इन कलाप्रिय नरेशों में राजश्रीसिंह (1844) राजारामसिंह (1873) व राजा भूरि सिंह (1904) के नाम विशेष रूप से उल्लेखनीय हैं। वास्तुकला हो या भित्तिचित्रकला, मूर्तिकला हो या काष्ठकला, जितना प्रोत्साहन इन्हें चम्बा में मिला शायद ही अन्यत्र कहीं मिला हो। चम्बा की कलम शैली ने खास अपनी पहचान बनाई है। किसी घाटी की ऊंचाई पर खड़े होकर देखें तो समूचा चम्बा शहर भी किसी अनूठी कलाकृति जैसा ही लगता है।

Q131. चम्बा का इतिहास धर्म और पर्यटन का कैसा मेल है?

- (a) मन को हरनेवाला
- (b) दर्द देने वाला
- (c) नापसंद आने वाला
- (d) ठीकठाक

Q132. डा. बोगल ने चम्बा को अचंभा कब कहा?

- (a) वहाँ से आने के बाद
- (b) अनुभव के बाद
- (c) किसी से सुनने के बाद
- (d) देखने के बाद

Q133. चम्बा को सौभाग्यशाली क्यों कहा गया है?

- (a) राजा के कारण
- (b) प्रजा के कारण
- (c) स्थिति के कारण
- (d) परिस्थिति के कारण

Q134. चम्बा की किस शैली ने अपनी पहचान बनाई ?

- (a) सिलाई
- (b) खेती
- (c) कलम शैली
- (d) बागवानी

Q135. वशीकृत शब्द का समानार्थी शब्द अनुच्छेद में से पहचानिये।

- (a) ख्याति
- (b) मंत्रमुग्ध
- (c) उल्लेखनीय
- (d) सैलानियों

Q136. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो दिए गए पद के उचित अलंकार रूप का सबसे अच्छा विकल्प है।

भिखारिन को देखकर पट देत बार-बार

- (a) श्लेष अलंकार
- (b) अतिशयोक्ति अलंकार
- (c) रूपक अलंकार
- (d) उत्प्रेक्षा अलंकार

Q137. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो जो रेखांकित शब्दों के सही अव्यय के भेद है रावने उसे बुरा कहा लेकिन वह अच्छा बना ।

- (a) विस्मयादिबोधक अव्यय
- (b) सम्बन्ध बोधक अव्यय
- (c) समुच्चय बोधक अव्यय
- (d) क्रिया विशेषण अव्यय

Q138. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो अशुद्ध वाक्य के शुद्ध रूप का सबसे अच्छा विकल्प है। विद्यालय में बाएँ बड़ा सा मैदान है।

- (a) विद्यालय के बाये बड़ा मैदान है।
- (b) विद्यालय की बाईं ओर बड़ा सा मैदान है।
- (c) विद्यालय में बड़ा सा मैदान है।
- (d) विद्यालय के बाएँ बड़ा सा मैदान है।

Q139. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो बताता है कि जहाँ छंद में सभी चरण समान होते हैं उसे क्या कहा जाता है?

- (a) विषममात्रिक छंद
- (b) अर्धमात्रिक छंद
- (c) सममात्रिक छंद
- (d) मात्रिक छंद

Q140. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो दिए गए मुहावरे का सही अर्थ वाला विकल्प है।

घाट-घाट का पानी पीना

- (a) प्यास बुझाना
- (b) खुशी गानना
- (c) लज्जित होना
- (d) बहुत अनुभवी होना

Q141. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो बताता है कि- जहाँ किसी हानि के कारण शोक भाव उपस्थित होता है, वहाँ किस भाव की उपस्थिति रहती है?

- (a) हास्य
- (b) वीर
- (c) वात्सल्य
- (d) करुण

Q142. निम्नलिखित प्रश्न में चार विकल्पों में से, उस सही विकल्प का चयन करें जो निर्देशानुसार वाक्य परिवर्तन वाला सही विकल्प है। राधा स्कूटी चला रही है। (भाववाच्य)

- (a) राधा से स्कूटी चलाई जाती है
- (b) राधा से स्कूटी चलती है
- (c) राधा स्कूटी चलाई
- (d) स्कूटी राधा चलाई

Q143. कौन सा विकल्प उद्धरण चिह्न का है?

- (a) 'पद्म श्री' श्रीमती श्यामा चोना
- (b) माँ ने कहा बेटा सदा उन्नति करो -
- (c) वाह ! कितना मज़ा आ रहा है
- (d) तुम्हारी परीक्षा कब से शुरू है?

Q144. निम्नलिखित प्रश्न में चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए शब्द का सही समान अर्थ वाला शब्द है। शरीर

- (a) कलेवर
- (b) विटप
- (c) पद्मा
- (d) महिला

Q145. निम्नलिखित प्रश्न में चार विकल्पों में से उस विकल्प का चयन करें जो सही विकल्प है। उपसर्ग और प्रत्यय दोनों ही शब्द नहीं, _____ होते हैं।

- (a) क्रिया
- (b) अव्यय
- (c) शब्दांश
- (d) सर्वनाम

Q146. निम्नलिखित प्रश्न में चार विकल्पों में से उस विकल्प का चयन करें जो प्रत्यय से नहीं बना है।

- (a) शिष्या
- (b) शेरनी
- (c) दयामय
- (d) परिचय

Q147. निम्नलिखित प्रश्न में चार विकल्प दिए गए जिनमें से एक शब्द दिए गए शब्द का सही तद्भव रूप है।

मक्षिका

- (a) मोर
- (b) भौरा
- (c) मेंढक
- (d) मक्खी

Q148. निम्नलिखित प्रश्न में चार विकल्पों में से, दिए गए शब्द के विपरीत अर्थ वाला विकल्प चुनिए।

सन्यासी

- (a) गृहस्थ
- (b) वैरागी
- (c) शिष्ट
- (d) सुलभ

Q149. निम्नलिखित प्रश्न में चार विकल्पों में से, उस विकल्प का चयन करें जो सही संधि-विच्छेद वाला विकल्प है।

नारीच्छा

- (a) नारी + इच्छा
- (b) नर + इच्छा
- (c) नारी + ईच्छा
- (d) नारी + च्छ

Q150. निम्नलिखित प्रश्न में चार विकल्प दिए गए हैं जिनमें से उस विकल्प का चयन करें जो शब्द का सबसे अच्छा विकल्प है।

नियत

- (a) निश्चित
- (b) इच्छा
- (c) तरफ
- (d) गरीब

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S1. Ans.(d)

Sol. Pycnometer

☑ A pycnometer is a device that is used to measure the density (or specific gravity) of liquids. It consists of a sealed flask with a specific volume, and by weighing the flask empty and then filled with the liquid, one can determine the density of that liquid.

☑ **Anemometer:** This device is used to measure wind speed. It has no relation to measuring the density of liquids.

☑ **Bevometer:** This is a device used to measure the flow properties or the resistance of granular materials. It does not measure the density of liquids.

☑ **Eudiometer:** It is a glass tube used primarily in labs to measure the volume of gases, especially in reactions that produce gas. While it deals with measuring volume, it does not directly measure the density of liquids.

S2. Ans.(d)

Sol. The Central University Babasaheb Bhimrao Ambedkar University, Vidya Vihar, is located in Lucknow.

☑ The Babasaheb Bhimrao Ambedkar University was established by an Act passed by the parliament (1994). The University came into existence on 10.01.1996 vide GOI, Ministry of HRD, Education Department.

S3. Ans.(b)

Sol. The headquarters of the Uttar Pradesh Police department is located in Prayagraj (formerly known as Allahabad).

☑ It has been in existence for the past 136 years. The post of Inspector General of Police was created in the year 1863 after the Police Act came into operation in the year 1861.

☑ During the year 1937 a part of the Head Quarter - "The camp office of the IGP" was shifted to Lucknow and a DIG was deputed to supervise the work of PHQ.

S4. Ans.(a)

Sol. Uttarakhand was formed on the **9th November 2000** as the 27th State of India, when it was carved out of northern Uttar Pradesh.

☑ Uttarakhand is largely a hilly State, located at the foothills of the Himalayan mountain ranges.

☑ The summer capital of Uttarakhand is Gairsain, and the winter capital is Dehradun.

S5. Ans.(d)

Sol. Barsana Holi is played with sticks.

☑ Barsana Holi is celebrated on the ninth day of the month of Phalgun according to the Hindu calendar.

☑ Lathmar Holi is primarily celebrated in Barsana, Uttar Pradesh.

S6. Ans.(a)

Sol. The Kampil Fair is associated with the Jain community.

☑ The Kampil Fair is held in Uttar Pradesh.

☑ Kampil Fair is held each year in the Farrukhabad district of Uttar Pradesh.

S7. Ans.(c)

Sol. Pandit Birju Maharaj was an exponent of Kathak dance in India.

☑ He belonged to the Lucknow "Kalka-Bindadin" Gharana of Kathak.

☑ Sonal Mansingh is an eminent Indian classical dancer who is a maestro of the Odissi dance form.

☑ Mallika Sarabhai is a noted Kuchipudi and Bharatnatyam dancer from Ahmedabad, Gujarat.

☑ Uday Shankar was an Indian dancer and choreographer.

S8. Ans.(d)

Sol. The UP Police Department's selection procedure does not have a Language Test.

S9. Ans.(b)

Sol. According to the legend, Lord Brahma performed the Dashashwamedh yajna at Dashashwamedh Ghat.

☑ Dashashwamedh Ghat is one of the prominent ghats located in Varanasi.

S10. Ans.(b)

Sol. The Param Vir Chakra (PVC) is India's highest military decoration. The PVC is awarded for displaying distinguished acts of valour during wartime.

S11. Ans.(d)

Sol. "My Passage from India" is a book written by Ismail Merchant.

☑ Ismail Merchant (25 December 1936 – 25 May 2005) was an Indian film producer.

S12. Ans.(c)

Sol. 5th June

☑ Led by the United Nations Environment Programme (UNEP) and held annually on 5 June since 1973.

S13. Ans.(b)

Sol. Sir Frank Whittle is credited with inventing the jet engine.

S14. Ans.(d)

Sol. Quora is NOT a publicly listed company.

☑ Quora operates from Mountain View, California, and is a platform for asking and answering questions.

S15. Ans.(d)

Sol. Area-wise, Madhya Pradesh has the largest forest cover in the country.

☑ The top five states in terms of forest cover as a percentage of total geographical area are Mizoram, Arunachal Pradesh, Meghalaya, Manipur, and Nagaland.

S16. Ans.(d)

Sol. The euro is the official currency of Finland, which is a member of the European Union. The capital of Finland is Helsinki.

S17. Ans.(b)

Sol. The Radcliffe Line was drawn to divide India and Pakistan into two different countries. The Radcliffe line is spread through the Rann of Kutch in Gujarat to the international border in Jammu in Jammu & Kashmir.

☑ The McMahon Line defines a clear boundary line between India and China.

☑ The Durand Line is the border between Afghanistan and Pakistan.

S18. Ans.(d)

Sol. The North Korean capital Pyongyang.

- ☑ Male is the capital of Maldives. Maldives is located in South Asia, in the Indian Ocean.
- ☑ Ulaanbaatar is the national capital of Mongolia. Mongolia is a landlocked country. Mongolia is located in north-central Asia.
- ☑ Kuala Lumpur is the national capital of Malaysia.

S19. Ans.(d)

Sol. Atlanta is NOT a state of the United States of America. Atlanta is the capital of the U.S. state of Georgia.

S20. Ans.(b)

Sol. The people of Lakshadweep speak Malayalam and Mahl. Mahi (or Mahl), which is akin to old Sinhalese, is spoken on Minicoy.

S21. Ans.(a)

Sol. The younger son of Shivaji who was also the third Chhatrapati was Rajaram. Rajaram Bhosale was the third Chhatrapati of the Maratha Empire, who dominated from 1689 to 1700.

S22. Ans.(d)

Sol. Ghumura is an ancient folk dance that originated from Odisha. According to ancient mythological texts, Ghumura was considered a war dance of the Gods and Demons.

- ☑ Pulikkali is a recreational folk art from the state of Kerala.
- ☑ Raut Nacha is mainly held at Chhattisgarh.
- ☑ Dollu Kunitha is a traditional dance form in Karnataka.

S23. Ans.(d)

Sol. The salary of the President of India was increased to Rs. 5 lakh per month in the 2018 Union Budget (equivalent to 5.9 lakh in 2023).

S24. Ans.(d)

Sol. India ranks at 3rd position, behind the Philippines and Indonesia, in its annual coconut production (2018 data).

- ☑ Indonesia is the world's largest producer of coconuts. Philippines ranks second, and India is the third-largest producer of coconuts (2023 data).
- ☑ Karnataka, Tamil Nadu, and Kerala are the top three coconut producing states.
- ☑ Kerala, Tamil Nadu, Andhra Pradesh, and Karnataka are the top 4 leading coconut producing states in India, accounting for 90% of total coconut production in India.

S25. Ans.(c)

Sol. There were 15 women among the members of the Constituent Assembly who signed the Constitution on 24th January 1950.

- ☑ Dr. Rajendra Prasad was the first President of India and took the oath of office on 26th January 1950, the day the Constitution came into effect.

S26. Ans.(c)

Sol. The Kakori train robbery was indeed conceived by Ram Prasad Bismil and Ashfaqullah Khan.

☑ The Kakori Train Robbery was a train robbery that took place at Kakori, a village near Lucknow, on 9 August 1925, during the Indian independence movement against the British rule in India.

☑ The robbery was planned by Ram Prasad Bismil and Ashfaqullah Khan. It was executed by Ram Prasad Bismil, Ashfaqullah Khan, Chandrashekhar Azad, Rajendra Lahiri, Shachindra Bakshi, Keshab Chakravarty, Murari Lal Khanna(Gupta), Banwari Lal, Mukundi Lal Gupta and Manmathnath Gupta.

☑ Significantly, freedom fighters Ram Prasad Bismil, Ashfaqullah Khan and Roshan Singh were hanged on December 19, 1927, for their involvement in the Kakori Conspiracy.

S27. Ans.(b)

Sol. Bagru is one of the famous centres of hand block printing in Rajasthan.

☑ Bagru is renowned for its unique style of hand block printing, known as "Bagru print." This traditional technique has been practiced in Bagru for over 400 years.

☑ The prints are distinguished by their earthy hues and the use of natural dyes derived from plants, such as indigo and madder.

S28. Ans.(c)

Sol. The Current cash reserve ratio set by RBI is 4.50% per cent.

☑ The Cash Reserve Ratio (CRR) is a specified minimum fraction of the total deposits of customers, which commercial banks have to hold as reserves either in cash or as deposits with the central bank.

☑ As of 2023, the CRR rate is 4.50%, which has been effective since May 21, 2022.

S29. Ans.(c)

Sol. The hawa mahal was built in 1799 by the Maharaja Sawai Pratap Singh, grandson of Maharaja Sawai Jai Singh, the founder of the city of Jhunjhunu in the state of Rajasthan.

S30. Ans.(b)

Sol. Antonio Guterres, the incumbent UN Secretary-General was the Prime Minister of Portugal from 1995 to 2002, during which time he was heavily involved in the international effort to resolve the crisis in East Timor.

☑ António Guterres, the ninth Secretary-General of the United Nations, took office on 1st January 2017.

S31. Ans.(a)

Sol. The first international cricket match played at Lucknow's Ekana cricket stadium after its inauguration was a T20 game played between India and West Indies.

☑ The Bharat Ratna Shri Atal Bihari Vajpayee Ekana Cricket Stadium, is an international cricket stadium in Lucknow, India.

S32. Ans.(b)

Sol. The 19th Asian Games are being held in Hangzhou, People's Republic of China, from 23 September to 8 October 2023.

☑ Officially known as the 2022 Asian Games, having been postponed by a year due to COVID-19 pandemic restrictions.

S33. Ans.(a)

Sol. India's Chief of the Army Staff (COAS), who took office on 31st December 2016 was General Bipin Rawat.

☑ The current Chief of Army Staff (COAS) of India is General Manoj Pande, who assumed his office on 30 April 2022.

S34. Ans.(c)

Sol. Singapore held in 33rd ASEAN Summit and Related Summits at Suntec Singapore Convention Centre from 11 to 15 November 2018.

☑ The Association of Southeast Asian Nations (ASEAN) is a regional grouping that aims to promote economic and security cooperation among its ten members: Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, the Philippines, Singapore, Thailand, and Vietnam.

☑ The 43rd ASEAN Summit and Related Summits, 4 to 7 September 2023 hosted in Jakarta, Indonesia.

S35. Ans.(b)

Sol. Insulin is a hormone produced by the pancreas that helps in sugar regulation within our body. Insulin regulates the glucose levels in our blood.

S36. Ans.(b)

Sol. Bromine is a non-metal that is liquid at room temperature. Bromine's unique property among non-metals is its liquid state at standard conditions.

S37. Ans.(b)

Sol. The correct answer is Chlorine.

☑ The atomic radius is the distance from the nucleus of an atom to the outermost electrons.

S38. Ans.(c)

Sol.

$\text{CH}_3\text{COOCH}_2\text{CH}_3$ is the formula of Ethyl ethanoate (Ethyl acetate).

- It is a colourless liquid and has a characteristic sweet smell.
- Butanoic acid chemical formula $\text{CH}_3\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$.
- Methyl ethanoate chemical formula $\text{CH}_3\text{COOCH}_3$.
- Propanoic acid chemical formula $\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$.

S39. Ans.(b)

Sol.

If $B : C = 3 : 1$

Then, $A : B = \frac{3}{2} : 3$

So, $A : B : C = 3 : 6 : 2$

B can complete total work in 6 days, then total work = $6 \times 6 = 36$ unit

Total efficiency of all = $3 + 6 + 2 = 11$ unit

Days Required = $\frac{36}{11} = 3.27$ Days

S40. Ans.(d)

Sol.

Let distance cover on foot = X km.

Distance cover on bicycle = 75 - X

$$\frac{x}{5} + \frac{75-x}{12} = 8 \text{ Hr.}$$

$$\frac{12x+375-5x}{60} = 8 \text{ Hr.}$$

$$7x + 375 = 480$$

$$7x = 105$$

$$x = 15 \text{ Km.}$$

S41. Ans.(c)

Sol.

Volume of Sphere = Volume of Cone

$$\frac{4}{3} \pi r^3 = \frac{1}{3} \pi r^2 h$$

$$\frac{4}{3} \pi (10)^3 = \frac{1}{3} \pi r^2 10$$

$$400 = R^2$$

$$20 \text{ cm} = R$$

$$\text{Diameter} = 40 \text{ cm}$$

S42. Ans.(b)

Sol.

$$\text{Initial Average} : \frac{3+4+5+6+7}{5} = 5$$

$$\text{New Average} : \frac{3+4+5+6}{4} = 4.5$$

$$\text{Difference in Average} = 5 - 4.5 = 0.5$$

$$\text{Percentage Decrease} = \frac{0.5}{5} \times 100 = 10\%$$

S43. Ans.(d)

Sol. Possible Pairs =

$$1 \times 64 = 64$$

$$2 \times 32 = 64$$

$$4 \times 16 = 64$$

$$8 \times 8 = 64$$

As we can see that 8 & 8 is the smallest pair among all.

S44. Ans.(b)

Sol. From all the options 3 is the only number which can make 1200 a perfect square i.e., 3600.

S45. Ans.(c)

Sol.

$$\sqrt{3 + \sqrt{27 + \sqrt{73 + \sqrt{64}}}} =$$

$$\sqrt{3 + \sqrt{27 + \sqrt{73 + 8}}}$$

$$\sqrt{3 + \sqrt{27 + 9}}$$

$$\sqrt{3 + 6}$$

$$\sqrt{9} = 3$$

S46. Ans.(a)

Sol. $X/Y = 4/5$

$$X = 4a$$

$$Y = 5a$$

$$7x + 6y = 29$$

$$28a + 30a = 29$$

$$58a = 29$$

$$a = 0.5$$

$$Y = 5a$$

$$Y = 2.5$$

S47. Ans.(c)

Sol.

Let Smaller Number = X

Larger Number = X + 14

LCM \times HCF = 1st Number \times 2nd Number

$$2 \times 60 = x(x+14)$$

$$x^2 + 14x - 120 = 0$$

$$x = -20, +6$$

$$x = 6$$

S48. Ans.(b)

Sol. Total Number of Candies = 39

A : B = 4 : 9

$$A = \frac{4}{13} \times 39 = 12$$

$$B = \frac{9}{13} \times 39 = 27$$

$$B - A = 15 \text{ candies}$$

S49. Ans.(d)

Sol.

$$CP \times \frac{110}{100} \times \frac{130}{100} \times \frac{80}{100} = 2288$$

$$CP = 2000$$

S50. Ans.(d)

Sol. CP = 600

Tailoring Charges = 40

Total CP = 640

Profit% = 12.5%

$$SP = 640 \times \frac{9}{8} = 720$$

S51. Ans.(a)

Sol.

$$MP \times \frac{88}{100} = 2500 \times \frac{110}{100}$$

$$MP = \text{Rs. } 3125$$

S52. Ans.(c)

Sol.

$$SI = \frac{P \times R \times T}{100}$$

$$1500 = \frac{(1500 \times 4 \times T)}{100}$$

$$T = 25 \text{ Years}$$

S53. Ans.(b)

Sol.

$$\text{Amount} = 1144.9$$

$$\text{Principal} = 1000$$

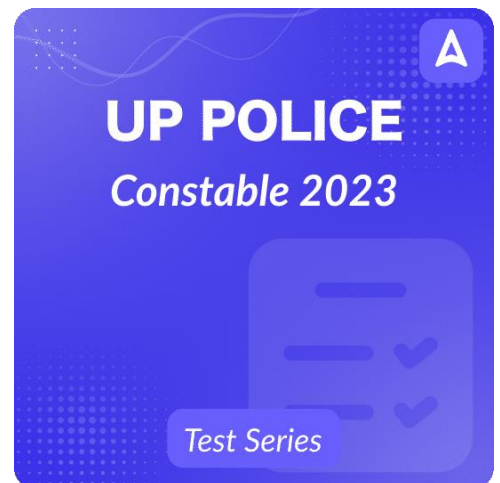
$$\text{Amount} = \text{Principal} \left(1 + \frac{R}{100}\right)^2$$

$$\frac{1144.9}{1000} = \left(1 + \frac{R}{100}\right)^2$$

$$\frac{11449}{10000} = \left(1 + \frac{R}{100}\right)^2$$

$$\left[\frac{107}{100}\right]^2 = \left(\frac{100+R}{100}\right)^2$$

$$R = 7\%$$



S54. Ans.(a)

Sol. Total Loss = 1152

A : B : C = 7 : 8 : 9

$$\text{Share of A} = \frac{7}{24} \times 1152 = 336$$

S55. Ans.(d)

Sol.

Total Investment = 50000

Let Investment of C = x

Then Investment of A = x + 8000

Then Investment of B = x + 6000

$$x + x + 8000 + x + 6000 = 50000$$

$$3x = 36000$$

$$x = 12000$$

Investment of A, B, C = 20000, 18000, 12000

Ratio B/w Investment = 10 : 9 : 6

$$\text{A's share} = \frac{10}{25} \times 10000 = 4000$$

S56. Ans.(d)

Sol.

Sum of first 4 months sale: $2000 + 2500 + 3250 + 4250 = 12000$

Sum of total 5 months sale: $3500 \times 5 = 17500$

Then 5th month sale = $17500 - 12000 = 5500$

S57. Ans.(d)

Sol.

			EFFICIENCY
B + C	40	}	1
A + B + C	20		40

EFFICIENCY OF A = (A + B + C) - (B + C)

$$2 - 1 = 1 \text{ unit}$$

A will complete total work in = 40 days

S58. Ans.(c)

Sol. $M + 6 = S$

$U + 5 = Z$

$S + 4 = W$

$I + 3 = L$

$C + 2 = E$

$C + 6 = I$

$A + 5 = F$

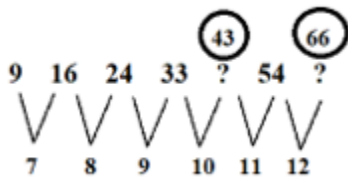
$N + 4 = R$

$O + 3 = R$

$E + 2 = G$

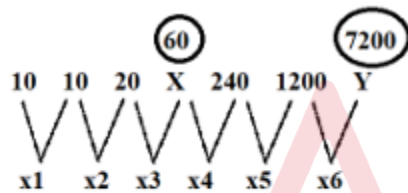
S59. Ans.(c)

Sol.



S60. Ans.(b)

Sol.



$$\frac{y}{x} = \frac{7200}{60} = 120$$

S61. Ans.(a)

Sol. Alternate digits are increased by 1.

S62. Ans.(d)

Sol. Each alphabet is increased by 3, option(d) follows the same pattern.

S63. Ans.(b)

Sol.

A A B F X
1 1 2 6 24
x1 x2 x3 x4

S64. Ans.(a)

Sol.

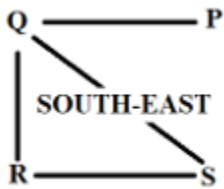
Series: A,B,C,D,E increased by 1

Series: Z, Y,X,W,V decreased by 1

And Both changing their position in each pair.

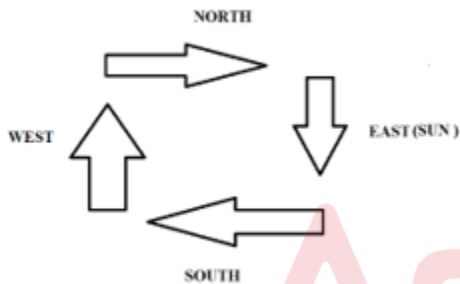
S65. Ans.(b)

Sol.



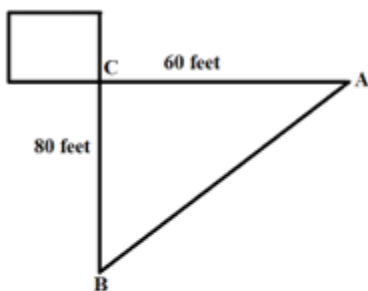
S66. Ans.(a)

Sol.



S67. Ans.(d)

Sol.



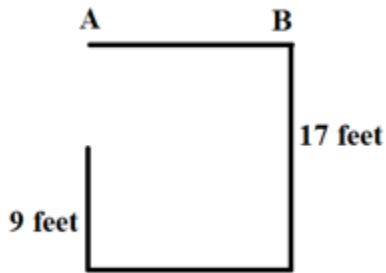
$$AC^2 + BC^2 = AB^2$$

$$60^2 + 80^2 = 100^2$$

$$AB = 100 \text{ feet}$$

S68. Ans.(c)

Sol.



S69. Ans.(b)

Sol. We should export wheat, in order to balance the demand.

S70. Ans.(a)

Sol. We will give priority to positive statement so only argument 1 is strong.

S71. Ans.(c)

Sol. According to statement (1) all students are bright in class, that means if X is not bright then he must not be from this class. So only conclusion III will follow.

S72. Ans.(a)

S73. Ans.(a)

S74. Ans.(b)

Sol. Rooster = Male chicken

Hen = Female Chicken

Stallion = Male Horse

Mare = Female Horse

S75. Ans.(c)

Sol. As Writer, writes a Book same as Potter makes Pot.

S76. Ans.(d)

Sol. $A + 13 = N$

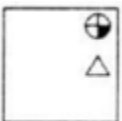
$B + 13 = O$

$K + 13 = X$

$L + 13 = Y$

S77. Ans.(d)

Sol.



S78. Ans.(c)

S79. Ans.(a)

S80. Ans.(d)

S81. Ans.(b)

S82. Ans.(d)

Sol. 1-Voltmeter, 2-Volunteer, 3-Voucher, 4-Voyages

S83. Ans.(c)

Sol. Last 2 alphabets of letter is the first 2 alphabets of next letter.

S84. Ans.(d)

Sol. 1st Alphabet is increased by 2 and 6 alternatively

2nd Alphabet is constantly increased by 4.

3rd Alphabet is increased by 6 and 2 alternatively.

S85. Ans.(b)

Sol. "M" shifting its position one place towards left.

S86. Ans.(d)

Sol. All digits increased by 1.9

S87. Ans.(b)

Sol. If 4th day is Friday, then Friday will repeat on (11th, 18th, 25th)

3 days after 25th will be Tuesday.

S88. Ans.(a)

Sol. Alphabets increased by 2 with square of their place value.

S89. Ans.(d)

Sol.



And = 3

S90. Ans.(c)

Sol.

W=4, A=7, N=1, T= 5

C=2, O=8, P=6, E=3

NOTE = 1853

S91. Ans.(c)

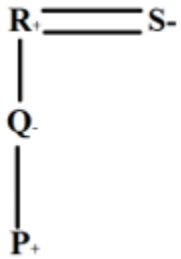
Sol. $8-4\div 2+9\times 3=33$

S92. Ans.(b)

Sol. Each alphabet is decreased by 2.

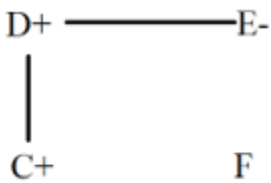
S93. Ans.(d)

Sol.



S94. Ans.(c)

Sol.



SS95. Ans.(c)

Sol.



S96. Ans.(b)

S97. Ans.(c)

S98. Ans.(c)

Sol. On day 4th and day 6th

S99. Ans.(b)

Sol. $300 - 50 = 250$

S100. Ans.(b)

Sol. 5% of 1000=50

$50 \times 2000=100000$

S101. Ans.(a)

Sol. Except Fail, all other (Sad, Happy, Excited) all are emotions.

S102. Ans.(a)

Sol. All letters differ by 2, except option(a)

S103. Ans.(d)

Sol. All options contain five X and four +, except option(d)

S104. Ans.(c)

Sol. All options contain "E" except option(c).

S105. Ans.(d)

S106. Ans.(b)

Sol.

Here 2.3 used as $2^3 = 8$

So, 3.4 will be $3^4 = 81$

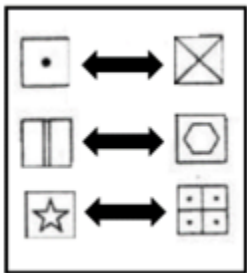
S107. Ans.(b)

S108. Ans.(b)

S109. Ans.(c)

S110. Ans.(b)

Sol.



S111. Ans.(a)

Sol. Award ₹5 Lakh compensation should be given, as farmer follows all the condition.

S112. Ans.(a)

Sol. Award ₹5 Lakh compensation should be given, as farmer follows all the condition.

S113. Ans.(b)

Sol. As crop was harvested, but submerged in flood so he will be awarded only ₹2.5 Lakh compensation.

S114. Ans.(c)

Sol. सही उत्तर 'चक्र धारण किया है जिसने' है। दिए गए विकल्पों में से 'चक्र धारण किया है जिसने' यह 'चक्रधर' शब्द का सही समास वाला शब्द है। यह बहुव्रीहि समास का उदाहरण है।

S115. Ans.(c)

Sol. रात में घूमने वाला के लिए एक शब्द है-(c) निशाचर

S116. Ans.(a)

Sol. (a) रूपया शब्द मुद्रा का अनेकार्थी शब्द है।

S117. Ans.(b)

Sol. (b) ने, संज्ञा या सर्वनाम के जिस रूप से क्रिया के करने वाले का बोध हो, उसे कर्ता कारक कहते हैं। इसका चिन्ह 'ने' कभी कर्ता के साथ लगता है, और कभी वाक्य में नहीं होता है, अर्थात् लुप्त होता है।

कर्ता कारक के महत्वपूर्ण उदाहरण

अखमैद ने पुस्तक पढ़ी।

अजितेश ने रिपोर्ट पढ़ी।

अजित ने स्क्रिप्ट पर काम किया।

शादाब ने रेडियो पर पॉडकास्ट पढ़ी।

समद ने नया गोदाम लिया।

S118. Ans.(b)

Sol. कर्ता का अर्थ होता है-(b) जो कार्य करे

S119. Ans.(b)

Sol. आज वर्षा होगी। वाक्य में (b) संभाव्य वर्तमान काल है।

S120. Ans.(d)

Sol. (d) सीता वीणा बजा रही है, वाक्य में सकर्मक क्रिया है। सकर्मक क्रिया - वाक्य में जिस क्रिया के प्रयोग में कर्म की अपेक्षा रहती है, उसे सकर्मक क्रिया कहते हैं;

जैसे - शीला ने सेब खाया।

मोहन पानी पी रहा है।

S121. Ans.(c)

Sol. सम्राज्ञी शब्द का सही पुल्लिंग शब्द है-(c) सम्राट

S122. Ans.(a)

Sol. चिड़िया का बहुवचन 'चिड़ियाँ' है।

S123. Ans.(b)

Sol. जो वर्ण स्वरों की सहायता से बोले जाते हैं उन्हें व्यंजन कहते हैं। हर व्यंजन के उच्चारण में अ स्वर लगा होता है। अ के बिना व्यंजन का उच्चारण नहीं हो सकता।

S124. Ans.(c)

Sol. व्यंजन को स्वर रहित दिखने के लिए 'हलन्त' चिन्ह का उपयोग किया जाता है।

S125. Ans.(b)

Sol. शक्ति शब्द से सही विशेषण वाला शब्द है - शक्तिशाली।

S126. Ans.(a)

Sol. जिस सर्वनाम के प्रयोग से किसी निश्चित प्राणी या वस्तु का बोध न हो, वे 'अनिश्चयवाचक सर्वनाम' कहलाते हैं; जैसे - कोई, कुछ। 'कोई' सर्वनाम का प्रयोग प्रायः प्राणीवाचक सर्वनाम के लिए होता है; जैसे - कोई तुम्हें बुला रहा है, और 'कुछ' सर्वनाम का प्रयोग वस्तु या अप्राणीवाचक के लिए होता है; जैसे - कुछ सेब यहाँ पड़े हैं। कहीं, किसी, कुछ आदि अनिश्चयवाचक सर्वनाम शब्द हैं।

S127. Ans.(b)

Sol. (b) प्रियप्रवास अयोध्यासिंह उपाध्याय हरिऔध जी की प्रसिद्ध रचना है

S128. Ans.(b)

Sol. (b) मैला आँचल फणीश्वरनाथ रेणु द्वारा रचित उपन्यास है

S129. Ans.(b)

Sol. 'गीत गोविंद' मीराबाई की रचना नहीं है। 'गीत गोविंद' जयदेव की रचना है।

S130. Ans.(a)

Sol. (a) हिमतरंगिनी रचना के लिए माखनलाल चतुर्वेदी को साहित्य अकादमी पुरस्कार दिया गया था

S131. Ans.(a)

Sol. चम्बा का इतिहास धर्म और पर्यटन का मेल (a) मन को हरनेवाला है

S132. Ans.(d)

Sol. डा. बोगल ने चम्बा को अचंभा, देखने के बाद कहा

S133. Ans.(a)

Sol. चम्बा को सौभाग्यशाली (a) राजा के कारण कहा गया है

S134. Ans.(c)

Sol. (c) चम्बा की कलम शैली ने अपनी पहचान बनाई

S135. Ans.(b)

Sol. वशीकृत शब्द का समानार्थी शब्द अनुच्छेद में से (b) मंत्रमुग्ध है।

S136. Ans.(a)

Sol. 'भिखारिन को देखकर पट देत बार-बार है' इस पंक्ति में 'श्लेष अलंकार' है।

S137. Ans.(c)

Sol. दो वाक्यों को परस्पर जोड़ने वाले शब्द समुच्चयबोधक अव्यय कहे जाते हैं। जैसे- यद्यपि, चूँकि, परन्तु, और किन्तु आदि।

S138. Ans.(b)

Sol. (b) विद्यालय की बाईं ओर बड़ा सा मैदान है।

S139. Ans.(c)

Sol. (c) सममात्रिक छंद सभी चरण समान होते हैं।

S140. Ans.(d)

Sol. घाट-घाट का पानी पीना-(d) बहुत अनुभवी होना

S141. Ans.(d)

Sol. जहाँ किसी हानि के कारण शोक भाव उपस्थित होता है, वहाँ करुण रस होता है। करुण रस का स्थायी भाव शोक है।

S142. Ans.(b)

Sol. (b) राधा से स्कूटी चलती है

S143. Ans.(a)

Sol. (a) 'पद्म श्री' श्रीमती श्यामा चोना, विकल्प उद्धरण चिह्न का है

S144. Ans.(a)

Sol. (a) कलेवर, शरीर का सही समान अर्थ वाला शब्द है।

S145. Ans.(c)

Sol. उपसर्ग और प्रत्यय दोनों ही शब्द नहीं, (c) शब्दांश होते हैं।

S146. Ans.(d)

Sol. (d) परिचय शब्द प्रत्यय से नहीं बना है।

S147. Ans.(d)

Sol. मक्षिका शब्द का सही तद्भव रूप(d) मक्खी है।

S148. Ans.(a)

Sol. सन्यासी शब्द के विपरीत अर्थ वाला विकल्प (a) गृहस्थ है।

S149. Ans.(a)

Sol. सही उत्तर 'नारी + इच्छा' है। दिए गए विकल्पों में से 'नारीच्छा' शब्द का उचित संधि विच्छेद 'नारी + इच्छा (ई + इ = ई)' होगा।

S150. Ans.(a)

Sol. निश्चित, नियत शब्द का सबसे अच्छा विकल्प है

