ESIC SSO Manager Phase-I Memory Based Paper

Directions (1-5): In each of the questions given below a sentence is divided into four parts. Choose the part which is grammatically incorrect. If all the parts are correct, then choose option (e) as your choice.

Q1. The sheafs (A)/ of the rice-plants were too heavy (B)/ for Sumit to (C)/ carry on his head (D).
(a) A
(b) B
(c) C
(d) D
(e) No error

Q2. Those players who (A)/ did not adhere to the rules and regulations of the game (B)/ was deprived of taking part (C)/ in the tournament. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q3. Ramesh could not recall (A)/ what Radha has told (B)/ him about her (C)/ concern with Sushmita (D).
(a) A
(b) B
(c) C
(d) D
(e) No error

Q4. All the attempts of Radha (A)/ are daring (B)/ but this one is certainly (C)/ the more daring (D).
(a) A
(b) B
(c) C
(d) D
(e) No error

Q5. The BJP spokeswoman said that it was no (A)/ other than Atal Bihari Vajpayee (B)/ who evinced an exceptional ability to lead (C)/ the country to fame (D).
(a) A
(b) B
(c) C
(d) D
(e) No error

Directions (6-10): Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

(A) It also excels in bringing to the forefront a bunch of 'character actors' who make every bit of their screen time memorable.

(B) A new crop of Hindi films is, however, attempting to change that portrayal.

(C) Very few received an independent storyline or back story unless it impacted the hero or the heroine of the film.

(D) For a very long time, Hindi cinema used character actors as comic relief, or they essayed prototypical aunts, uncles, parents or friends.

(E) In this context, Zoya Akhtar's Gully Boy stands out for many reasons: its nuanced storytelling and effort in finding other stories of Dharavi beyond the known and the obvious.

(F) In many recent films, 'character actors' successfully eclipsed the main lead and attracted more attention for their performance.

Q6. Which of the following should be the **first** sentence after rearrangement?
(a) B
(b) D
(c) A
(d) E
(e) C

Q7. Which of the following should be the **third** sentence after rearrangement?
(a) A
(b) D
(c) F
(d) B
(e) C

Q8. Which of the following should be the **fourth** sentence after rearrangement?
(a) B
(b) E
(c) F
(d) C
(e) D

Q9. Which of the following should be the **last** sentence after rearrangement?
(a) D
(b) F
(c) A
(d) B
(e) C

Q10. Which of the following should be the **second** sentence after rearrangement?
(a) C
(b) A
(c) B
(d) D
(e) E

Directions (11-18): Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you to locate them while answering some of the questions.

We call ourselves an agrarian society and have over 130 crore mouths to feed, but the next generation of farmers is not interested in farming since it is a losing proposition. The farmers have taken loans to educate their children. The absence of jobs has pushed their children to depression, drugs and crime.

Under these circumstances, what is the duty of the civil society towards the farmer, who in spite of adverse circumstances, feed us? I have met political leaders and have proposed steps to help the farm sector, but they are only interested in consolidating their votes, rather than building the nation.

Urban voters feel that loan waiver is an abuse of tax payer's money and the practice will make the farmer **complacent**, who will look for waivers by successive governments. The reality is that farmers' debts have **accumulated**. For decades they have been deprived of remunerative prices for their produce. The government keeps the guaranteed Minimum Support Price (MSP) low to enable the consumer to get food grain at lower rates, despite the fact that the input prices have increased considerably. Government agencies hardly procure five to six per cent of the produce and farmers are compelled to sell at lower rates, this accumulation of debt finally leading to suicide. Loans must be waived, but we must also ensure that thisi does not become a regular practice.

Here is a scheme where the banker's perspective is taken into account and simultaneously, farmers promptly pay their installments of future loans in time. The **recovery** of crop loans in the country as on 2019 would be stayed, but will be waived over a period of five years. This can be done by the banks/financial institutions by opening new crop loan accounts, as per scale of finance for all the farmers while the old accounts will be suspended. The old crop loan will be linked to the new loan. If the farmer makes timely payment of the new loan account taken during the year, the government would pay his installment of 20 per cent for the old loan. Accordingly in five years' time, on one hand 100 per cent loans standing in the name of the farmers in 2019 would be cleared and on the other, farmers will get into the habit of making payments on time. Simultaneously, farmers who have paid their loans in time before 2019 cannot be **deprived** of the benefit to the defaulters. Their loan amount would be refunded over the next five years. No fresh account is required to be opened up for this category. Crop loans are taken to raise crops. These loans are mandatorily insured. Since loans are taken by individual farmers, the assessment of losses for insurance claims would be of the individual farmer's land and not the entire village, as is the case today.

If the crop is lost due to any natural calamity, including destruction by animals, the crop loan will be automatically struck off in proportion to the crop loss. The country has heard the slogan "Jai Jawan – Jai Kisan" for over 50 years. The jawans get pension after 20 years of service to the country. Likewise once the farmer feeds/serves the nation for 20 years, he will also get pension.

Members of the All India Kisan Sangharsh Coordination Committee (AIKSCC), an umbrella of 210 farming organisations across the country, has tabled two private member bills in the Parliament in August, 2018. These bills pertain to complete debt relief and MSP to be fixed at the rate of one-and-a-half times the production cost, along with the guarantee of procurement. This is exactly what Prime Minister Narendra Modi promised the nation in his earlier election speeches. While 21 opposition parties signed a resolution supporting the bills and came to the Kisan Sansad at Parliament Street on November 20, 2018, no one thought it fit to raise the issue in the House during question hour.

As the farmers took center stage, the Prime Minister tried to woo them by direct transfer of Rs 2,000 to every marginal agricultural family. But the moment the government found an opportunity after the Pulwama attack and the subsequent airstrike by IAF, the narrative of the 2019 elections changed to nationalism. The shift in the narrative makes me wonder whether the hardships of the farmers can be thrown out of the window in the name of nationalism. What is Nationalism? Is the farmer who feeds the nation not a nationalist?

One can suggest a silent demonetisation strike, which has the potential to change the narrative once again. Nearly five to 10 per cent of the population are still in possession of Rs 500 and Rs 1,000 currency notes, despite demonetisation. They should be given to the farmers, who need it the most. It could also change the fortunes of any political party.

Q11. What is/are the impediment(s) for the effective implementation of waiving crop loans?
(I) Waiving crop loans will make the farmers uncritically satisfied on their performance.
(II) Farmers' debts get accumulated which leads to their suicides.
(III) Voters feel that tax payer's money has been misused
(a) Only (I)
(b) Both (I) and (III)
(c) Only (II)
(d) Both (II) and (III)
(e) All (I) (II) (III)

Q12. According to the passage, what is the orientation of the politicians on the adverse situation of farmers?
(a) considerate
(b) benevolent
(c) barbaric
(d) negligent
(e) atrocious

Q13. Which of the following statements is FALSE according to the context of the passage?
(a) Accumulated crop loans are one of the reasons for Farmers' suicide.
(b) If the farmer makes timely payment of the new loan account taken during the year, the government would pay his installment of 20 per cent for the old loan.
(c) Farmers who have paid their loans in time before 2019 would be refunded over the next five years
(d) For decades Farmers have been deprived of remunerative prices for their produce.
(e) None of these

Q14. What is/are the agenda of the bills tabled by the members of AIKSCC ?
(I) Government should guarantee the purchase of crops from the farmers.
(II) To effectively implement the debt relief policies.
(III) MSP to fixed at the rate of one-and-a-half times the production cost.
(a) Only (I)
(b) Both (I) and (III)
(c) Only (II)
(d) Both (II) and (III)
(e) All (I) (II) (III)

Q15. Based on the context, what could be the possible theme of the passage?
(a) One stop Solution for India's deepening farm crisis
(b) Effects of accumulated crop debts
(c) Recapitalization of farm debts
(d) Revitalization of agriculture in India
(e) None of these

Directions (16-18): Choose the word which is most similar to the word given in bold.

Q16. Complacent
(a) paradigm
(b) fable
(c) ferocious
(d) dubious
(e) smug

Q17. Accumulated
(a) allay
(b) amass
(c) subjugate
(d) dissipate
(e) dwindle

Q18. Waiver
(a) dispensation
(b) obsolete
(c) vengeance
(d) heinous
(e) accomplish

Directions (19-22): In the following given questions, a sentence is given with four highlighted words. Choose the alternative that mentions the highlighted word(s) which is/are incorrectly spelt. If all the highlighted words are correct in the given sentence, choose option (e) i.e. 'No error' as the answer choice.

Q19. Even though Gwen had been taking **voilin (A) lesons (B)** for years, she was still not very **adroit (C)** at playing **compositions. (D)**
(a) Only (A)
(b) Both (A) and (B)
(c) Both (C) and (D)
(d) All (A) (B) (C) and (D)
(e) No error

Q20. It's strange how Lynda is **humbel** (A) and **modest** (B) with her best friend but **snoty** (C) and **superclious** (D) toward her coworkers.
(a) Only (A)
(b) Both (A) and (B)
(c) Only (A), (C) and (D)
(d) All (A) (B) (C) and (D)
(e) No error

Q21. Althuogh (A) the firemen put out fires every day, they were still **increduluos** (B) about the huge size of the **blaze** (C) in our **neighborhood**. (D)
(a) Only (A)
(b) Both (A) and (B)
(c) Only (A), (C) and (D)
(d) All (A) (B) (C) and (D)
(e) No error

Q22. Individual **reaserchers** (A) have tried to speak out against **bugos** (B) anti-ageing treatments and **practitioners**,(C) but this can be a tricky **business**. (D)
(a) Only (A)
(b) Both (A) and (B)
(c) Only (A), (C) and (D)
(d) All (A) (B) (C) and (D)
(e) No error

Directions (23-25): In the following questions, a word is given in bold followed by four sentences. Choose the appropriate option mentioning the sentence that uses the highlighted word in a grammatically correct and contextually meaningful manner.

Q23. Compliment
(a) An extensive wine list is available to compliment your meal
(b) The brothers, as merry as she herself, were obliged to compliment her.
(c) If an angle is a compliment to another, that means they add up to ninety degrees.
(d) Why, they are sending ambassadors to complimentary the usurper.
(e) None of these.

Q24. Flaunt
(a) He was not free simply to flaunt section 278 of Indian Penal Code and toss it angrily aside
(b) Many people believe that there should be a crackdown on the people who flaunt the welfare system
(c) Some of these daredevils who flaunt danger for a living are most likely adrenaline junkies.
(d) He usually doesn't wear fancy dresses but when he does he make sure to flaunt them.
(e) None of these.

Q25. Infer
(a) When a person has a bad day, that does not inferred that they are always sad.
(b) I inferred from his evidence that he surrendered his license after the conclusion of the dispute
(c) He probably meant to inferring that qualities have no existence apart from the subject to which they belong.
(d) He asked me to infers the answer of the question asked to him.
(e) None of these.

Directions (26-30): Fill in the blanks with the appropriate words keeping the sentence grammatically correct and contextually meaningful.

Q26. The nation's legal nightmare around non-violent drug _____ is the primary cross he bears.
(a) occupants
(b) citizens
(c) disgrace
(d) outburst
(e) offenses

Q27. The government, made up of 16 ministers and seven secretaries of state was officially announced overnight in a presidential _____.
(a) devotee
(b) tool
(c) wrongdoing
(d) decree
(e) passion

Q28. An _____ reader, Avinash took his first attempt in the world of writing during his childhood years.
(a) unforeseen
(b) avid
(c) unanticipated
(d) awkward
(e) clumsy

Q29. If the ransom demands of a mischievous aren't met, he'll create armies of clones to throw the world in _____.
(a) contention
(b) deduction
(c) turmoil
(d) logic
(e) speech

Q30. American security is founded on liberty, and a politically freer planet, a planet freed from the grip of _____ and the threat of terrorists, is a far safer world.
(a) tyrants
(b) forgiveness
(c) immunity
(d) disregard
(e) disinterest

Directions (31-35): Study the following information carefully and answer the questions given below:
In a certain code language
'blanket pillow bed' is written as 'xy in gy'
'bed lamp radio' is written as 'ab in pq'
'pillow chair lamp' is written as 'mn ab gy'
'bed blanket chair' is written as 'xy mn in'

Q31. What is the code for 'radio'?
(a) gy
(b) xy
(c) in
(d) pq
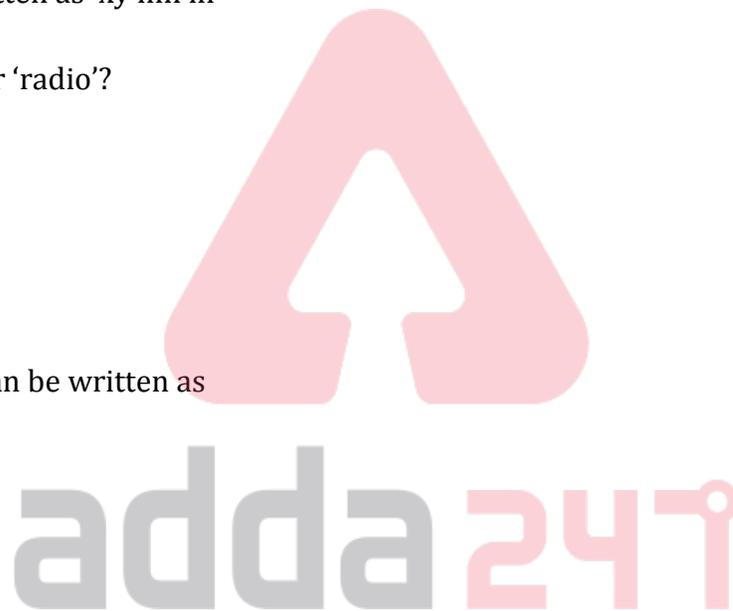(e) None of these

Q32. 'bed pillow team' can be written as
(a) gy in ab
(b) xy fr pq
(c) in gy bv
(d) pq mn ab
(e) None of these

Q33. What is the code for 'lamp'?
(a) gy
(b) xy
(c) in
(d) pq
(e) None of these

Q34. What does 'mn' stand for?
(a) chair
(b) bed
(c) pillow
(d) blanket
(e) None of these

Q35. What does 'xy' stand for?
(a) chair
(b) bed
(c) pillow
(d) blanket
(e) None of these

Directions (36-40): Read the following information carefully and answer the following questions.

Eight boxes A, B, C, D, E, F, G and H are placed one above the other but not necessarily in the same order. Four boxes are placed between box C and E and none of them is placed on the top or bottom of the stack. Box G is not placed just below or just above box H. Box D is not placed just below or just above box E. The number of boxes places above H is more than that placed below H. There are as many boxes between A and E as between A and F. There are two boxes between boxes C and H.

Q36. How many boxes are placed between D and E?
(a) one
(b) two
(c) three
(d) four
(e) five

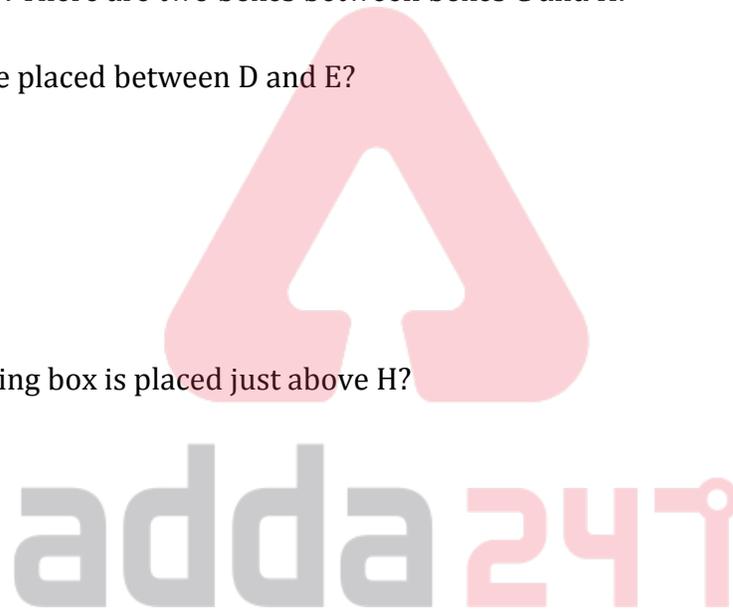**Q37.** Which of the following box is placed just above H?
(a) C
(b) A
(c) F
(d) E
(e) B

Q38. Which of the following box is placed at bottom?
(a) F
(b) C
(c) B
(d) G
(e) H

Q39. Which of the following boxes is not placed below box D?
(a) F
(b) H
(c) B
(d) E
(e) G

Q40. Which of the following box is not placed in between C and E?
(a) A
(b) F
(c) D
(d) G
(e) Both (b) and (d)

Direction (41-43): Study the following information carefully and answer the given questions:

A, B, C, D, Q, R, S, T and W are nine persons living in the same house. There are three married couple in the house. A is the only daughter of D, who is the paternal grandfather of T. R is the son of Q. T is the daughter of S. B is the mother of S. B is not married to D. C is the maternal grandfather of T. R is the father of T. T is sister of W.

Q41. How is A related to S?
(a) Mother in-law
(b) Sister in-law
(c) Father in-law
(d) Sister
(e) Can't be determined

Q42. How is W related to R?
(a) Son
(b) Father
(c) Daughter
(d) Can't be determined
(e) None of these

Q43. Which of the following is the pair of "husband-wife"?
(a) D, B
(b) C, D
(c) A, S
(d) Q, B
(e) R, S

Directions (44-48): Study the following information carefully and answer the questions given below:

There are eight persons A, B, C, D, E, F, G and H sitting around a circular table. Some of them faces the center while other face outside the center.
D sits second to the left of B. H sits opposite to E and both faces same direction. A is an immediate neighbor of E. D sits to the immediate right of E. G sits to the immediate left of F. G is not a neighbor of A. Immediate neighbors of C face same direction. Immediate neighbors of E face opposite direction. G and C face same direction as A. Not more than four people face inside.

Q44. Who among the following sits to the immediate right of A?
(a) E
(b) F
(c) G
(d) D
(e) None of these

Q45. What is the position of B with respect to H?
(a) Immediate right
(b) Immediate left
(c) Second to the left
(d) Second to the right
(e) None of these

Q46. Who sits third to the right of D?
(a) F
(b) A
(c) B
(d) H
(e) None of these

Q47. Which of the following statement is true?
(a) F is an immediate neighbor of E
(b) H sits third to the left of D
(c) D faces inside
(d) A faces outside
(e) None of these

Q48. How many persons face inside?
(a) One
(b) Two
(c) Three
(d) Four
(e) Cannot be determined

Directions (49-50): Study the following information and answer the given questions

Point G is 18m to the north of Point F. Point J is 12m to the east of Point K. Point B is 8m to the north of Point J. Point C is 6m to the west of Point B. Point E is 9m to the south of Point C. Point K lies exactly between Point G and Point F.

Q49. In which direction is Point K with respect to Point E?
(a) West
(b) Northwest
(c) South
(d) Southeast
(e) Cannot be determined

Q50. In which direction is Point B with respect to Point G?
(a) West
(b) East
(c) Southwest
(d) Southeast
(e) None of these

Directions (51-55): In each question below are given some statements followed by two conclusions numbered I and II. 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 given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q51. Statements: All purses are bags.
Some purse is black.
Some blacks are covers.
Conclusions: I. Some covers are Purses.
II. Some Bags are Black.

Q52. Statements: Some cats are rats.
All rats are fishes.
Some fishes are birds.
Conclusions: I. Some fishes are not rats.
II. All rats being birds is a possibility

Q53. Statements: Some flowers are roses.
Some roses is red.
All red are leaves.
Conclusions: I. Some flowers can never be red.
II. Some leaves are flowers.

Q54. Statements: All cards are sheets.
Some files are cards.
Some sheets are papers.
Conclusions: I. All cards being papers is a possibility.
II. All Paper being files is a possibility.

Q55. Statements: Some flowers are roses.
All roses is red.
All red are leaves.
Conclusions: I. Some flowers are leaves.
II. Some leaves is a red.

Directions (56-60): Study the following information to answer the given questions.

Eight persons, viz J, K, L, M, N, O, P and Q parked their car in a straight line facing towards north direction but not necessarily in the same order. Each of them has different car viz. Tata, Maruti, Toyota, Renault, Honda, Ford, Audi and Mercedes but not necessarily in the same order.
P parked his car third to the right of the one who has Honda car. Mercedes car is parked second to the right of P. Neither J nor N has Tata car. Q does not have Mercedes car. J and N parked their car adjacent to each other. Neither J nor N has either Honda or Mercedes car. Q parks his car third to the right of the one who has Tata car. Only two persons park their car between N and the one who has Audi car. Maruti car is parked on the immediate left of the M. Only one person parks his car between N and K. Neither J nor N park their car adjacent to P. L parked his car second to left of one who has Audi car. N does not have Toyota or Ford car. The one who has Ford car parked his car at the extreme end of the line.

Q56. Who among the following parked his car exactly between N and K?
(a) The one who has Honda car
(b) The one who has Tata car
(c) P
(d) J
(e) The one who has Mercedes car

Q57. 'Q' is related to 'Audi' in a certain way based on the above arrangement. 'K' is related to 'Renault' following the same pattern. Who is related to 'Honda' following the same pattern?
(a) O
(b) P
(c) J
(d) M
(e) L

Q58. Which of the following is true regarding M?
(a) Only two persons parked their car to the left of M.
(b) M parked his car second to the right of the one who has Audi car.
(c) N and K both park their car adjacent to M.
(d) M has Mercedes car.
(e) None is true

Q59. How many people park their car between L and the one who has Maruti car?
(a) None
(b) One
(c) Two
(d) Three
(e) Four

Q60. Who among the following parked their car at extreme ends of the line?
(a) J and the one who has Mercedes car
(b) The one who has Honda car and N
(c) L and P
(d) The one who has Toyota car and the one who has Ford car
(e) None of these

Directions (61-65): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions.
Mark answer as
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q61. Statements: J < K ≤ L = M; K = N > O
Conclusions: I. J < O   **II.** M > O

Q62. Statements: C ≥ D > E < F = G ≤ H < I
Conclusions: I. C > H   **II.** D > I

Q63. Statements: S = T ≤ V = W < Y; X > V; U < T
Conclusions: I. S < X   **II.** U < Y

Q64. Statements: A > B ≤ C = D < E; C > F
Conclusions: I. B < E   **II.** A > F

Q65. Statements: X = Y ≥ Z = A ≥ B > C
Conclusions: I. X > B   **II.** X = B

Directions (66-70): Find the wrong number in the following number series.

Q66. 244, 290, 198, 336, 152, 382, 110
(a) 382
(b) 290
(c) 244
(d) 110
(e) 336

Q67. 86, 92, 117, 133, 258, 294, 637
(a) 133
(b) 294
(c) 637
(d) 86
(e) 92

Q68. 1, 4, 12, 30, 68, 146, 306
(a) 146
(b) 306
(c) 30
(d) 4
(e) 12

Q69. 110, 108, 120, 100, 130, 88, 144
(a) 110
(b) 108
(c) 100
(d) 88
(e) 130

Q70. 473, 406, 335, 262, 183, 99, 11
(a) 99
(b) 183
(c) 335
(d) 406
(e) 473

Q71. Two Men A alone & B alone can do a work in 20 days & 24 days respectively. Both started the work simultaneously and after X days A leaves the work & the whole work completed in 12 days. Find X.
(a) 9 days
(b) 15 days
(c) 12 days
(d) 10 days
(e) 8 days

Q72. Ratio of investment of A, B & C is 4 : 6 : 9 respectively. At the end of a year, ratio of profit share of A, B & C is 4 : 5 : 6 respectively. If A has invested for a year then find the sum of period of investment of B & C?
(a) 15 months
(b) 20 months
(c) 24 months
(d) 22 months
(e) 18 months

Q73. 40% of first number is equal to 30% of second number. If average of both numbers is 30 more than the first number, then find 75% of the second number?
(a) 180
(b) 150
(c) 240
(d) 210
(e) 360

Q74. Present age of A is 75% of the present age of B and ratio of present age of B to that of C is 8:5. If average of present age of all the three is $31\frac{2}{3}$ years then find the sum of A's and C's age, 5 years later?
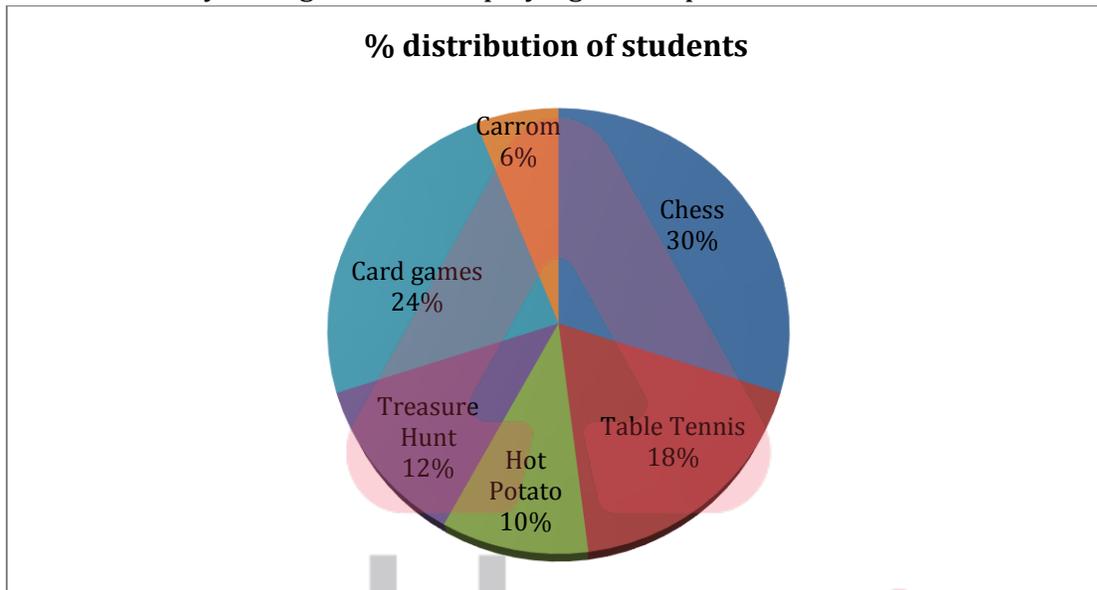(a) 60 years
(b) 70 years
(c) 75 years
(d) 65 years
(e) 55 years

Q75. Average of 5 numbers is 82. Average of 2 smallest numbers is 65 and average of 2 greatest numbers is 100. Find the middle number if all these 5 numbers are arranged in increasing order.
(a) 85
(b) 100
(c) 70
(d) 80
(e) 90

Directions (76-80): Study the below mentioned charts carefully and answer the following questions.

Pie chart shows the percentage distribution of students of a school playing different sports and table chart shows the ratio of boys and girls who are playing these sports.

% distribution of students

Games	Ratio of boys to girls
Chess	7 : 5
Table Tennis	25 : 11
Hot Potato	2 : 3
Treasure Hunt	5 : 7
Card Games	1 : 1
Carrom	5 : 3

Note – Total number of students = 800
1 student plays only 1 game.

Q76. Girls playing Hot Potato and Chess together is what percent more or less than the boys playing Table Tennis?
(a) 39%
(b) 42%
(c) 36%
(d) 48%
(e) 57%

Q77. Find the ratio of average of girls playing Chess, Table Tennis and Card Games to number of boys playing Hot Potato and Card games together.
(a) 4 : 7
(b) 7 : 4
(c) 5 : 9
(d) 9 : 5
(e) 5 : 8

Q78. Boys playing Chess and Table Tennis together is what percent of girls playing Hot Potato, Treasure Hunt and Card Games together?
(a) 130%
(b) 100%
(c) 110%
(d) 120%
(e) 140%

Q79. 75% of students who play Carrom stops playing Carrom and starts playing Treasure Hunt due to which number of girls playing Treasure Hunt increased by 25%, then find the ratio of boys to girls who are still playing Carrom.
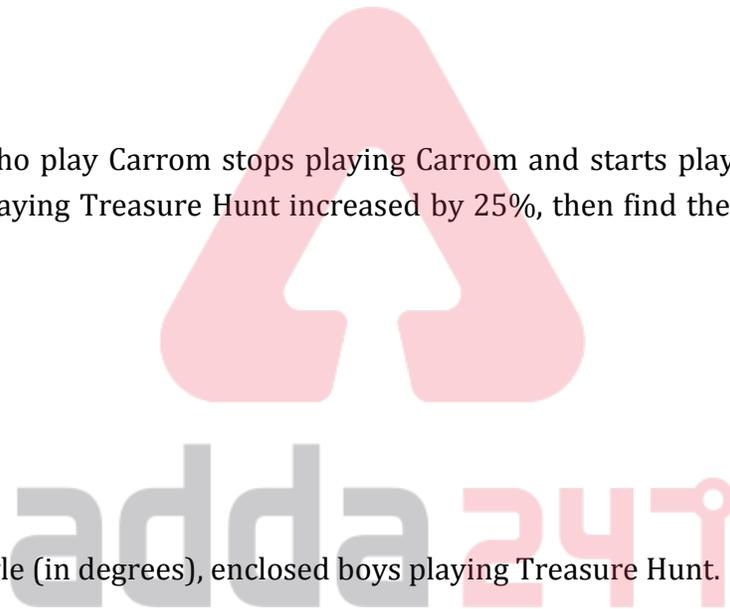(a) 3 : 2
(b) 4 : 3
(c) 2 : 1
(d) 5 : 4
(e) None of the above.

Q80. Find the central angle (in degrees), enclosed boys playing Treasure Hunt.
(a) 18
(b) 8.5
(c) 9.75
(d) 10
(e) 7.25

Q81. A man can row 60 km in downstream and 35 km in upstream in 9 hours. Also, he can row 49 km in upstream and 75 km in downstream in 12 hours. Find the rate of the current.
(a) 6 kmph
(b) 3 kmph
(c) 7.5 kmph
(d) 4 kmph
(e) 2 kmph

Q82. Ratio of cost price to that of marked price is 3: 5 and ratio of loss to that of discount is 1:4 then find the discount % given?
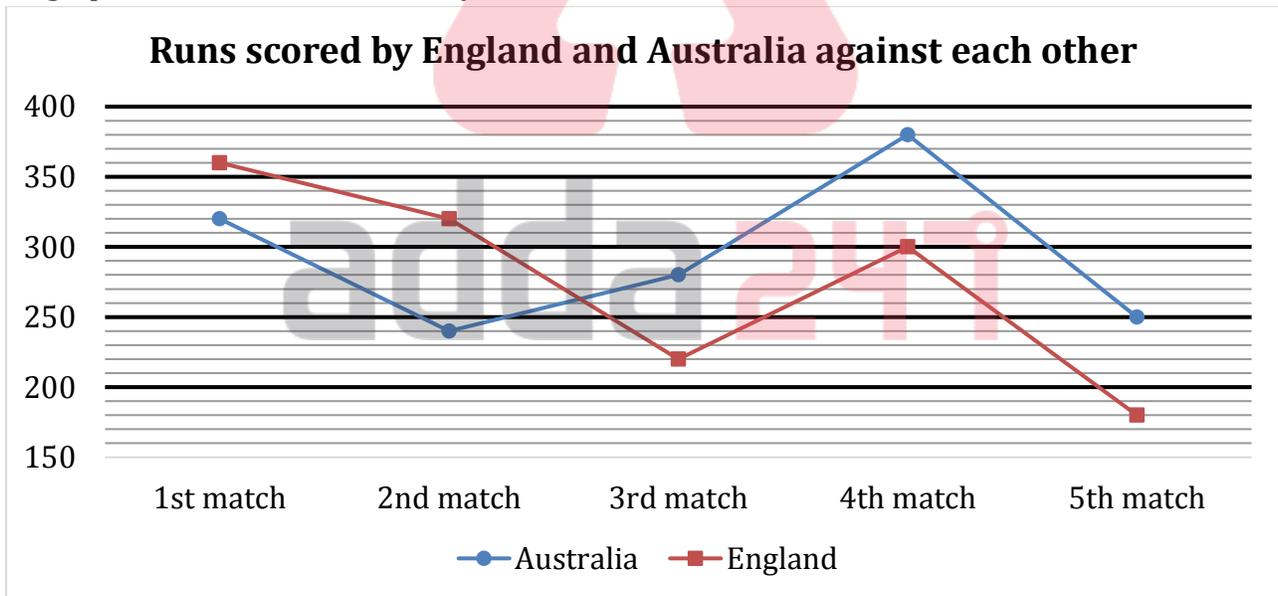
(a) $48\frac{1}{3}\%$

(b) $53\frac{1}{3}\%$

(c) $58\frac{1}{3}\%$

(d) $63\frac{1}{3}\%$

(e) 60 %

Q83. On a certain sum and at the certain rate of interest, CI at the end of two years is Rs 252 while CI at the end of four years is Rs 556.92. Find that amount?

(a) Rs 1000

(b) Rs 1500

(c) Rs 1600

(d) Rs 1800

(e) Rs 1200

Directions (84-89) :- Study the line graph carefully and answer the following questions.

The line graph shows the runs scored by two different teams in a series of 5 cricket matches.

Runs scored by England and Australia against each other

Q84. Runs scored by Australia in first and third match together is what percent of runs scored by England in second and fifth match together?

(a) 100%

(b) 125%

(c) $83\frac{1}{3}\%$

(d) 120%

(e) 75%

Q85. Find the difference between maximum runs scored by England and minimum runs scored by Australia.
(a) 120 runs
(b) 80 runs
(c) 150 runs
(d) 200 runs
(e) 180 runs

Q86. What is the ratio between total runs scored by Australia to that of England in all matches?
(a) 25 :23
(b) 46 :47
(c) 43 :46
(d) 49 :46
(e) 23 :43

Q87. Runs scored by Australia in second match is what percent more or less than runs scored by England in fourth match?
(a) 25%
(b) 20%
(c) 35%
(d) 10%
(e) 50%

Q88. Australia won how many matches out of all the five matches?
(a) 1
(b) 4
(c) 3
(d) 5
(e) 2

Q89. What are the average runs scored by England in first four matches?
(a) 250
(b) 280
(c) 345
(d) 320
(e) 300

Directions (90-95): Study the given passage carefully and answer the questions.

Six students A, B, C, D, E and F participated in a test of 200 marks. C scored 50% marks which are 25% higher than that of E. ratio of marks obtained by A, B and F is 12:8:9 respectively. D scored 62.5% more marks than E who scored same marks as by B.

Q90. Who scored highest marks among six students?
(a) C
(b) A
(c) D
(d) F
(e) B and E

Q91. If passing marks is 40% of maximum marks then marks scored by D are what percent more than the passing marks?
(a) 62.5
(b) 66.67
(c) 75
(d) 57.5
(e) 50

Q92. What is ratio of marks obtained by B, D and F?
(a) 9 : 13 : 8
(b) 9 : 8 : 13
(c) 8 : 9 : 13
(d) 13 : 9 : 8
(e) 8 : 13 : 9

Q93. What is average marks obtained by all six students?
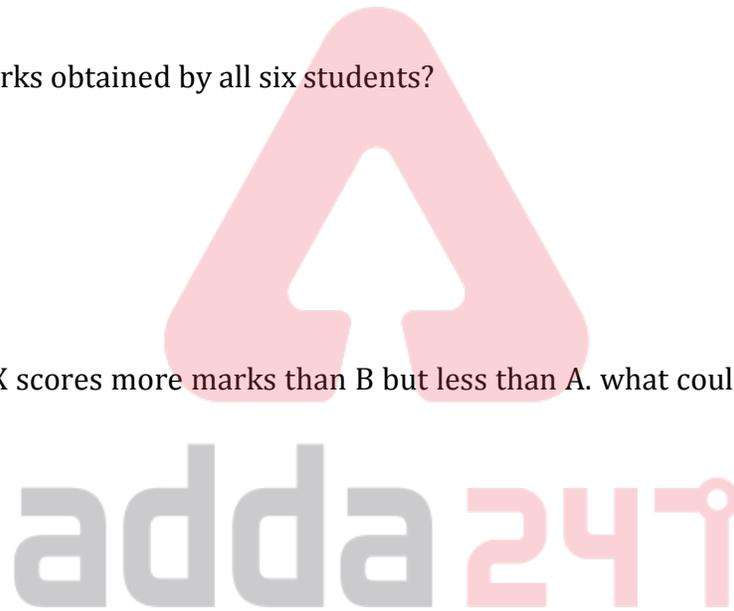(a) 120
(b) 100
(c) 150
(d) 60
(e) 90

Q94. If another student X scores more marks than B but less than A. what could be his marks out of total marks? (in %)
i) 39%
ii) 45%
iii) 54%
iv) 62.5%
v) 40%
vi) 60%
(a) (ii), (iii), (v), (vi)
(b)(i), (ii), (iii), (v)
(c) (ii), (iii), (iv), (vi)
(d) (ii), (iii)
(e) None of the given options

Q95. Total marks obtained by B & E together is what percent more than total marks obtained by A?
(a) 40%
(b) 25%
(c) 66.66%
(d) 33.33%
(e) 30%

Directions (96-100): In each of the following questions two equations are given. Solve these equations and give answer:

(a) if $x \geq y$

(b) if $x > y$

(c) if $x \leq y$

(d) if $x < y$

(e) $x = y$ or no relation can be established between x and y

Q96. I. $x^2 + 12x + 35 = 0$

II. $y^2 + 9y + 20 = 0$

Q97. I. $x^2 - 15x + 54 = 0$

II. $y^2 - 23y + 132 = 0$

Q98. I. $6x^2 + 5x + 1 = 0$

II. $15y^2 + 11y + 2 = 0$

Q99. I. $x^2 - 3x - 28 = 0$

II. $y^2 - y - 12 = 0$

Q100. I. $x^2 - 2x - 3 = 0$

II. $y^2 + 5y + 6 = 0$