UCO Bank
Clerical Cadre Exam.
Solved Paper
(Based on Memory)

2008

(Held on 9 March, 2008)

Test-I

Reasoning

1. How many three letter meaningful words can be formed from the word TEAR beginning with 'A' and without repeating any letter within that word ?
   (A) One (B) Three
   (C) Five (D) Two
   (E) None of these

2. If the letters of the word ARROGANCE are interchanged, first and fifth, second and sixth, third and seventh, fourth and eighth and the position of the ninth remains unchanged then what will the new arrangement of letters be ?
   (A) GANACRROE
   (B) GANCRAROE
   (C) GNACORRAE
   (D) GANCARROE
   (E) None of these

3. 'Army' is related to 'Soldier' in the same way as 'School' is related to which of the following ?
   (A) Peon (B) Principal
   (C) Class (D) Watchman
   (E) Student

4. Sachin and Vinod want to visit the museum after their exams. Sachin's exams finish on 9th April and he is leaving for a holiday on 12th April. Vinod's exams will be over by 10th April after which he is free. On which of the following dates can the two **definitely** meet ?
   (A) 10th April
   (B) Either 10th or 11th April
   (C) 12th April
   (D) Either 11th or 12th April
   (E) None of these

5. In a certain code CHANDIGARH is written as DNAHCHRAGI. How is SIKKIM written in that code ?
   (A) TJKJKM (B) TJLLJN
   (C) MIKKIS (D) KISMIK
   (E) None of these

6. Four of the following five are alike in a certain way and hence form a group. Which is the one that **does not** belong to that group ?
   (A) Kitten (B) Goat
   (C) Calf (D) Foal
   (E) Lamb

7. In a certain code language 'do re me' means 'he is late', 'fa me la' means 'she is early' and 'so ti do' means 'he leaves soon'. Which word in that language means 'late' ?
   (A) la (B) do
   (C) me (D) Data inadequate
   (E) None of these

8. Deepika tells Shraddha "Your mother's father's son is the husband of my sister". How is Deepika related to Shraddha ?
   (A) Sister-in-law
   (B) Cousin
   (C) Aunt
   (D) Data inadequate
   (E) None of these

9. If '+' means '÷', '÷' means '×', '×' means '–' and '–' means '+', what will be the value of the following expression ?
   $15 \div 5 \times 9 + 3 - 6$
   (A) 78 (B) 72
   (C) 28 (D) 30
   (E) None of these

10. If 'A' is substituted by 1, 'B' by 2 and so on upto 'Z' which is substituted by 26, what will be the sum of the numbers substituted for the word DECAY ?
(A) 38 (B) 41
(C) 40 (D) 37
(E) None of these

11. Among five friends Mahesh is taller than Karan but not Yash. Hirthik is taller than Yash but not Abhishek. If they stand in increasing order of their heights, who will be first in line ?
(A) Abhishek (B) Yash
(C) Karan (D) Data inadequate
(E) None of these

12. If 'table' is called 'chair', chair is called 'cupboard' 'cupboard' is called 'chalk', 'chalk' is called 'book', book is called 'duster' and 'duster' is called 'table', what does the teacher use to write on the black-board ?
(A) Book (B) Cupboard
(C) Table (D) Duster
(E) None of these

13. Four of the following five are alike in a certain way and hence form a group, which is the one that **does not** belong to that group ?
(A) Bucket (B) Tap
(C) Bottle (D) Glass
(E) Pitcher

14. D is A's son, C is the mother of P and wife of D. How is A related to C ?
(A) Father (B) Uncle
(C) Father-in-law (D) Data inadequate
(E) None of these

15. If E is coded as V, D is coded as Q, N is coded as Z, G is coded as T, R is coded as I and A is coded as M, which of the following will be the **correct** form of the word DANGER ?
(A) QMZTIV (B) QMZTVI
(C) QMZITV (D) QZMTVI
(E) None of these

16. Sushil lives to the North of Rajesh who lives to the West of Kamlesh. Arun who lives to the South of Sushil will have his house in which direction with respect to Kamlesh ?
(A) North-West
(B) North
(C) South-West
(D) Cannot be determined
(E) None of these

17. If all the letters in the word ARGUMENT are rearranged in alphabetical order and substituted by the letter immediately following it in the English alphabet what will be the new arrangement of letters ?
(A) BFHNOSUV (B) BFHONSWV
(C) BFHNOUSV (D) BFHNOQUV
(E) None of these

18. Which of the following pairs have the same relationship as OFTEN : FOTNE ?
(A) HEART : TRAHE
(B) OPENS : SNEOP
(C) RISKY : IRSYK
(D) FIRST : IFRST
(E) None of these

19. How many pairs of letters are there in the word DELUSION which have as many letters between them in the word as there are in the English alphabet ?
(A) None (B) One
(C) Two (D) Three
(E) None of these

20. Of the two subjects offered to a class in their final year, 32 students in all are studying psychology while a total of 26 students are studying sociology. If 16 students have opted to specialize in both, what is the strength of the class ?
(A) 74 (B) 58
(C) 42 (D) Data inadequate
(E) None of these

Directions—(Q. 21–25) Study the following arrangement and answer the questions given below—

Q E ☆ P M 8 R A @ C 9 U H W # J Z S β Y N 5 $ G 1 T

21. How many such vowels are there in the above arrangement each of which is immediately followed by a symbol ?
(A) None (B) One
(C) Three (D) More than three
(E) None of these

22. What should come in place of the question-mark (?) in the following series based on the above arrangement ?

Q P @ M A H @ U Z ?

(A) H#Y (B) WZY
(C) HJN (D) 9#S
(E) None of these

23. Which of the following is eighth to the right of the thirteenth element from the left end of the arrangement ?

(A) M (B) N
(C) 5 (D) 8
(E) None of these

24. Which of the following is exactly in the middle between the twelfth from the right and the seventh from the left end ?

(A) J (B) #
(C) U (D) 9
(E) None of these

25. If the first element in the above arrangement exchanges its position with the element in the 26th position and the second with the one in the 25th position and so on, which of the following will be in the tenth position from the left after rearrangement ?

(A) Z (B) M
(C) C (D) 5
(E) None of these

Directions—(Q. 26–30) Read the following information and answer the questions given below—

Seven managers Sharma, Mishra, Singh, Kulkarni, Rao, Joshi and Nair are to conduct interviews simultaneously either alone or in pairs at four different locations—Surat, Chandigarh, Delhi and Lucknow. Only one wants to travel by rail, two prefer travelling by car and the rest travel by air.

(i) Sharma is going to Lucknow but neither by car nor by air.
(ii) Mishra prefers to travel by car.
(iii) Neither Joshi nor Nair is going to Delhi.
(iv) Only those going to Surat travel by road.
(v) Kulkarni will assist his friend Mishra.
(vi) The two managers who go to Delhi travel by air.

26. Where will Kulkarni conduct the interviews ?

(A) Surat
(B) Lucknow
(C) Chandigarh
(D) Cannot be determined
(E) None of these

27. Who goes to Delhi ?

(A) Mishra-Kulkarni
(B) Rao-Singh
(C) Kulkarni-Joshi
(D) Data inadequate
(E) None of these

28. Which of the following is **true** ?

(A) Kulkarni travels by air
(B) Nair will assist Rao
(C) Sharma conducts interviews alone
(D) Joshi goes to Chandigarh
(E) None of these

29. Who will conduct interviews at Chandigarh ?

(A) Nair (B) Singh
(C) Rao (D) Data inadequate
(E) None of these

30. Which of the following pairs is different from the other four with regard to mode of travel ?

(A) Sharma-Mishra
(B) Rao-Mishra
(C) Nair-Rao
(D) Kulkarni-Joshi
(E) Sharma-Singh

Directions—(Q. 31–35) Each of the following questions below consists of a question and two statements numbered I and II are given below it. You have to decide if the data provided in the statements are sufficient to answer the question. Read both statements and **Give answer**—

(A) if the data in statement I alone is sufficient to answer the question while the data in statement II is not sufficient to answer the question.
(B) if the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

(C) if the data either in statement I alone or in statement II alone is sufficient to answer the question.

(D) if the data in both the statements I and II are not sufficient to answer the question.

(E) if the data in both the statements I and II together are necessary to answer the question.

31. Who is in the middle of the row comprising A, B, C, D and E ?
   (I) B is to the right of C, who is second from the left.
   (II) A is standing to the left of C, who is D's neighbour.

32. What is Shilpa's rank in the class ?
   (I) The class strength is 45.
   (II) Shilpa is eight ranks below Mahesh who stood 17th.

33. Who runs that fastest among L, M, N and P ?
   (I) P runs faster than L, who is the slowest.
   (II) M runs faster than N but slower than P.

34. On which day of the week did Satish watch a movie ?
   (I) Satish only watches movies with his friends.
   (II) Satish went out for dinner on Tuesday.

35. How is Gita related to Ganesh ?
   (I) Gita's brother is Ganesh's father's eldest son.
   (II) Ganesh's wife's mother-in-law is Gita's mother.

Directions—(Q. 36–40) In each question below are two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from two 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.

36. **Statements** : All fish are birds. Some hens are fish.
   Conclusions : I. Some hens are birds.
   II. No birds are hens.

37. **Statements** : Some shoes are coats. Some coats are buttons.
   Conclusions : I. No button is shoe.
   II. Some shoes are buttons.

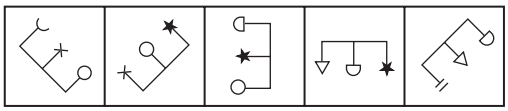
38. **Statements** : All bats are boys. All boys are gloves.
   Conclusions : I. Some gloves are bats.
   II. All bats are gloves.

39. **Statements** : All puppies are tigers. All kittens are tigers.
   Conclusions : I. All puppies are kittens.
   II. All tigers are puppies.

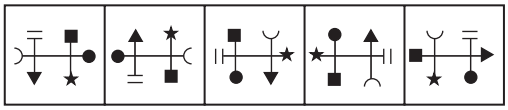
40. **Statements** : Some doctors are nurses. All nurses are patients.
   Conclusions : I. All doctors are patients.
   II. Some patients are doctors.

Directions—(Q. 41–50) In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued ?

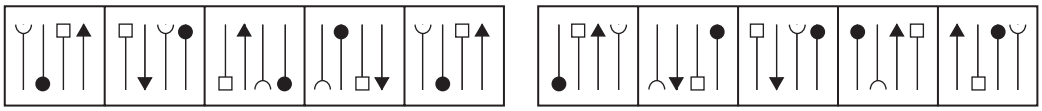
Problem Figures **Answer Figures**

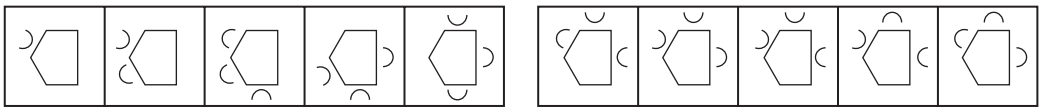
41. 

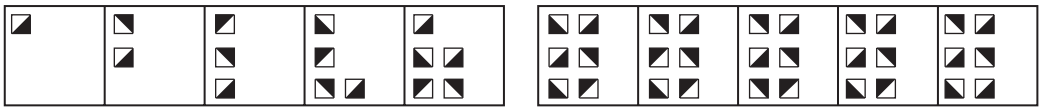
(A) (B) (C) (D) (E)

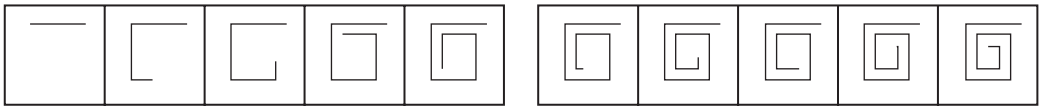
42. 

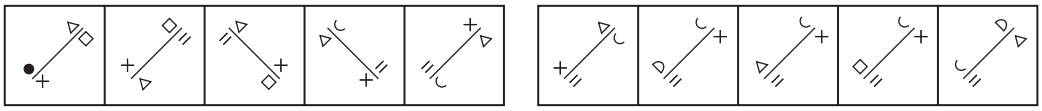
(A) (B) (C) (D) (E)

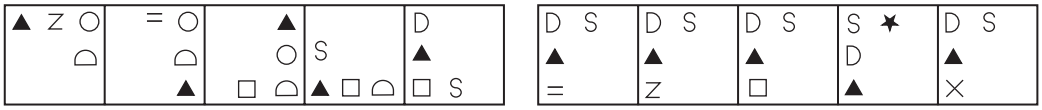
43. 
(A) (B) (C) (D) (E)

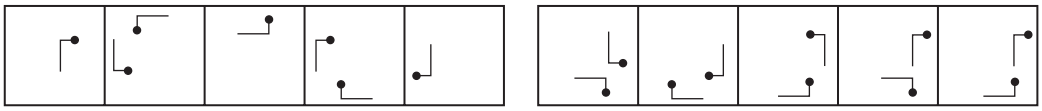
44. 
(A) (B) (C) (D) (E)

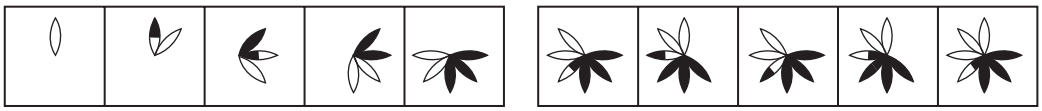
45. 
(A) (B) (C) (D) (E)

46. 
(A) (B) (C) (D) (E)

47. 
(A) (B) (C) (D) (E)

48. 
(A) (B) (C) (D) (E)

49. 
(A) (B) (C) (D) (E)

50. 
(A) (B) (C) (D) (E)

Test-II
Numerical Ability

Directions—(Q. 51–75) What should come in place of the question mark (?) in the following questions ?

51. $666 \div (2{\cdot}4 \times ?) = 185$
(A) 1·5 (B) 2·5
(C) 0·5 (D) 5
(E) None of these

52. $956 \times 753 = ?$
(A) 723692 (B) 727398
(C) 710308 (D) 719868
(E) None of these

53. $\frac{3}{8} \times \frac{4}{7} \times ? = 5376$
(A) 30912 (B) 25144
(C) 24808 (D) 25088
(E) None of these

54. $[(9)^3 \times (?)^2] \div 21 = 1701$
(A) 6 (B) 3
(C) 11 (D) 4
(E) None of these

55. $897214 - 336 - 46521 - 1249 - 632176 = ?$
(A) 217832 (B) 216725
(C) 216932 (D) 315950
(E) None of these

56. $666 \times 66 \times 6 = ?$
(A) 263836 (B) 236736
(C) 263376 (D) 236836
(E) None of these

57. $\sqrt{11881} \times \sqrt{?} = 10137$
(A) 8649 (B) 9216
(C) 8281 (D) 9409
(E) None of these

58. $3{\cdot}5 \times 2{\cdot}4 \times ? = 42$
(A) 1·5 (B) 0·2
(C) 0·8 (D) 1·2
(E) None of these

59. $\sqrt[3]{804357} = ?$
(A) 98 (B) 89
(C) 96 (D) 93
(E) None of these

60. $\sqrt{?} \div 16 \times 24 = 186$
(A) 14884 (B) 13924
(C) 15376 (D) 15876
(E) None of these

61. $(?)^2 \div (0{\cdot}04)^2 \times 5{\cdot}6 = 117740$
(A) 33·64 (B) 6·2
(C) 38·44 (D) 5·4
(E) None of these

62. $9418 - ? + 1436 + 2156 = 5658$
(A) 7523 (B) 7352
(C) 7232 (D) 7325
(E) None of these

63. $9865 + ? + 3174 + 2257 = 19425$
(A) 4047 (B) 4136
(C) 4129 (D) 4092
(E) None of these

64. $\frac{9}{?} \times 33824 = 63$
(A) 4228 (B) 4832
(C) 2416 (D) 8456
(E) None of these

65. 64% of ? – 96% of 1120 = 499·2
(A) 2600 (B) 2540
(C) 2460 (D) 2280
(E) None of these

66. $(99)^2 - (?)^2 + (38)^2 = 8436$
(A) 57 (B) 53
(C) 49 (D) 61
(E) None of these

67. $12{\cdot}36 \times 18{\cdot}15 + 21{\cdot}52 = ?$
(A) 250·3036 (B) 209·1448
(C) 249·454 (D) 245·854
(E) None of these

68. $(98764 + 89881 + 99763 + 66342) \div (1186 + ? + 1040 + 1870) = 55$
(A) 2354 (B) 2368
(C) 2254 (D) 2404
(E) None of these

69. $(64)^2 \div \sqrt[3]{32768} = ?$
(A) 128 (B) 132
(C) 142 (D) 104
(E) None of these

70. $\frac{21 \times 14 - 34}{12{\cdot}4 + 5{\cdot}6 - 15{\cdot}5} = ?$
(A) 95 (B) 100
(C) 110 (D) 106
(E) None of these

71. $0{\cdot}09 \times 6{\cdot}8 \times ? = 2{\cdot}142$
(A) 2·5 (B) 4·4
(C) 3·5 (D) 2·4
(E) None of these

72. $(19)^{12} \times (19)^8 \div (19)^4 = (19)^?$
(A) 24 (B) 8
(C) 6 (D) 12
(E) None of these

73. $11\frac{1}{7} + 2\frac{5}{8} = ?$
(A) $110\frac{1}{7}$ (B) $13\frac{45}{56}$
(C) $96\frac{3}{8}$ (D) $13\frac{43}{56}$
(E) None of these

74. 680% of ? = 290360
(A) 43800 (B) 42700
(C) 41900 (D) 42500
(E) None of these

75. ?% of $920 \times 7{\cdot}5 = 2898$
(A) 42 (B) 36
(C) 45 (D) 48
(E) None of these

76. Bhuvan has some hens and some cows. If the total number of animal heads are 71 and the total number of feet are 228, how many hens does Bhuvan have ?
(A) 43
(B) 32
(C) 24
(D) Cannot be determined
(E) None of these

77. If $x + y = 23$ and $xy = 126$; what is the value of $(x)^2 + (y)^2 = ?$
(A) 250
(B) 317
(C) 340
(D) Cannot be determined
(E) None of these

78. Find the average of the following set of scores.
965, 362, 189, 248, 461, 825, 524, 234
(A) 476 (B) 504
(C) 461 (D) 524
(E) None of these

79. The difference between a two-digit number and the number obtained by interchanging the two digits of the number is 18. The sum of the two digits of the number is 12. What is the product of the two digits of the two digit number ?
(A) 35
(B) 27
(C) 32
(D) Cannot be determined
(E) None of these

80. In how many different ways can the letters of the word 'GROUND' be arranged ?
(A) 360 (B) 720
(C) 120 (D) 500
(E) None of these

81. What should come in place of the question mark (?) in the following number series ?
8, 20, 50, 125, ?, 781·25
(A) 300 (B) 295·5
(C) 315 (D) 312·5
(E) None of these

82. The population of a town is 1,89,000. It decreases by 8% in the 1st year and increases by 5% in the 2nd year. What is the population of the town at the end of 2 years ?
(A) 1,93,914
(B) 1,85,472
(C) 1,82,574
(D) 1,91,394
(E) None of these

83. What **approximate** value should come in place of the question mark (?) in the following question ?

$894 \div 28 \times \sqrt{589} = ?$

(A) 700 (B) 686
(C) 796 (D) 775
(E) 754

84. 18 men can complete a piece of work in 5 days. In how many days can 21 men complete the same piece of work ?

(A) $3\frac{17}{21}$
(B) $4\frac{2}{7}$
(C) 4
(D) Cannot be determined
(E) None of these

85. If the value of $21a + 21b = 1134$, what is the average of $a + b$?

(A) 29 (B) 27
(C) 58 (D) 54
(E) None of these

86. The total number of boys in a school is 16% more than the total number of girls in the school. What is the respective ratio of the total number of boys to the total number of girls in the school ?

(A) 25 : 21
(B) 29 : 35
(C) 25 : 29
(D) Cannot be determined
(E) None of these

87. The difference between 42% of a number and 35% of the same number is 110·6. What is 60% of that number ?

(A) 936 (B) 948
(C) 790 (D) 1106
(E) None of these

88. Out of the three given numbers, the first number is twice the second and thrice the third. If the average of the three numbers is 154, what is the difference between the first and the third number ?

(A) 126 (B) 42
(C) 166 (D) 52
(E) None of these

89. A car travels a distance of 75 kms. at the speed of 25 kms./hr. It covers the next 25 kms. of its journey at the speed of 5 kms./hr. and the last 50 kms. of its journey at the speed of 25 kms./hr. What is the average speed of the car ?

(A) 40 kms./hr. (B) 25 kms./hr.
(C) 15 kms./hr. (D) 12·5 kms./hr.
(E) None of these

90. A sum of money is to be divided equally amongst P, Q and R in the respective ratio of 5 : 6 : 7 and another sum of money is to be divided between S and T equally. If S got Rs. 2,100 less than P, how much amount did Q receive ?

(A) Rs. 2,500
(B) Rs. 2,000
(C) Rs. 1,500
(D) Cannot be determined
(E) None of these

91. What is 783 times of 869 ?

(A) 6,78,689 (B) 6,78,861
(C) 6,80,427 (D) 6,81,993
(E) None of these

92. If the numerator of a fraction is increased by 250% and the denominator is increased by 300%, the resultant fraction is 7/9. What is the original fraction ?

(A) $\frac{8}{11}$ (B) $\frac{7}{8}$
(C) $\frac{8}{9}$ (D) $\frac{7}{11}$
(E) None of these

93. Mahesh invests an amount of Rs. 8,560 @ 4 p.c.p.a. for 2 years. What **approximate** amount of compound interest will he obtain at the end of 2 years ?

(A) Rs. 684 (B) Rs. 689
(C) Rs. 645 (D) Rs. 698
(E) Rs. 720

94. There are 15 dozen candles in a box. If there are 39 such boxes, how many candles are there in all the boxes together ?

(A) 7,020 (B) 6,660
(C) 6,552 (D) 3,510
(E) None of these

95. If $(57)^2$ is added to the square of a number, the answer so obtained is 8,010. What is the number ?
(A) 61 (B) 63
(C) 67 (D) 59
(E) None of these

96. Monica, Veronica and Rachael begin to jog around a circular stadium. They complete their revolutions in 42 seconds, 56 seconds and 63 seconds respectively. After how many seconds will they be together at the starting point ?
(A) 336
(B) 252
(C) 504
(D) Cannot be determined
(E) None of these

97. Meenal bought a watch with 25% discount on the selling price. If the watch cost her Rs. 1,545, what is the original selling price of the watch ?
(A) Rs. 2,050
(B) Rs. 2,000
(C) Rs. 2,040
(D) Cannot be determined
(E) None of these

98. Anurima invests an amount of Rs. 10,250 @ 4 p.c.p.a. to obtain a total amount of Rs. 12,710 on simple interest after a certain period. For how many years did she invest the amount to obtain the total sum ?
(A) 6 years (B) 8 years
(C) 5 years (D) 4 years
(E) None of these

99. The cost of 16 kgs. of sugar is Rs. 448. The cost of 18 kgs. of rice is Rs. 756 and the cost of 14 kgs. of wheat is Rs. 546. What is the total cost of 23 kgs. of sugar, 26 kgs. of rice and 21 kgs. of wheat ?
(A) Rs. 2,585 (B) Rs. 2,615
(C) Rs. 2,555 (D) Rs. 2,600
(E) None of these

100. The product of two consecutive odd numbers is 19,043. Which is the smaller number ?
(A) 137 (B) 131
(C) 133 (D) 129
(E) None of these

Test-III

English Language

Directions—(Q. 101 to 115) Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in **bold** to help you locate them while answering some of the questions.

Planning in India has essentially been an effort to **determine** the overall direction of the economy by directing public investment accordingly. It was possible to conceive of outcomes on the basis of government spending between 1947 and 1985 when the public sector made up more than half the gross domestic product. Now that is neither possible or **desirable**. The private sector accounts for three-fourths of the gross domestic product, reducing the role of public expenditure in **meeting** growth targets. Besides, decades of the government occupying the commanding heights of the economy merely resulted in low rates of growth and nearly two-fifth of the population living below the poverty line till 1991.

How can planning contribute to today's economy ? It should be reconceived as a think tank that works at maximizing outcomes from investments in social and physical infrastructure by **identifying** problems of governance. Outcomes in health and education are **crucial** to realize the potential of our billion-plus population, while shortcomings in power and port handling facilities can hold up future growth. Where public-private partnerships involve a number of government agencies, the Commission can work as a nodal body that takes a larger view of projects and ensures their smooth implementation.

Planners should aim at meeting growth targets by ensuring that markets function efficiently. They can advise the government on market-specific policies that address lack of access to information. They can identify **sunrise areas** in the next decade and promote research and innovation through public-private partnership. Simultaneously, planners should explore markets for products made by unskilled workers.

The Eleventh Plan aims at 9 per cent 'inclusive' growth by raising investment in infrastructure from 5 per cent of GDP to 9 per cent. Of the $475 billion investment needed for infrastructure, $130–140 billion is expected to come from the private sector. Public sector enterprises are expected to raise resources internally, with the Plan proposing lower support for them. The Plan has got its priorities **right** by reducing support for PSEs and increasing social sector allocations. Education is a big-ticket item, with the Planning Commission earmarking Rs. 2,75,289 crore for it alone with a view to meeting the skills shortage. Sadly, health has not been given the same emphasis. But, generally speaking, we are on the right track.

101. Which of the following was possible during the first 38 years after India's independence ?
(A) To increase the domestic product of the public sector by more than half
(B) To control government spending in proportion to gross domestic product
(C) To envision the result of economic growth with the help of Government spending
(D) To strike a balance between government spending and gross domestic product
(E) None of these

102. Which of the following best described 'Planning' in India ?
(A) An attempt to mobilize public investment to give a proper direction to economy
(B) An effort to lead the market in the direction of public investment
(C) An attempt to invest public assets in social infrastructure to gain maximum leverage
(D) An effort to bring out the best economic ventures to utilize public money
(E) An attempt to make public investment worthy of the objectives of planning

103. Which of the following functions does the author envisage for the Planning Commission in India ?
(1) Advising the government on market-specific policies.
(2) Accomplishing predetermined growth.
(3) Eradicating inadequacies in accessing information.
(A) Both (1) and (2)
(B) Both (2) and (3)
(C) Both (1) and (3)
(D) All the three
(E) None of these

104. Which of the following, according to the author, is a way to derive **maximum** outcome from investment ?
(A) By laying more emphasis on health and education
(B) By exploring and recognizing problems of governance
(C) By boosting public–private partnership
(D) By appointing a nodal body
(E) None of these

105. Which of the following was/were the outcome/s of the government controlling the economy ?
(1) Public expenditure could easily meet growth targets.
(2) Rates of growth were marginal.
(3) About 40% people had to live below the poverty line.
(A) (1) only (B) (2) only
(C) (3) only (D) Both (2) and (3)
(E) None of these

106. What does the author expected planners to do about the products manufactured by unskilled workers ?
(A) To explore the market for importing necessary raw material
(B) To provide adequate finance to unskilled workers
(C) To provide skill development training
(D) To help them enhance the quality of their product
(E) None of these

107. Which of the following is **NOT** appreciated by the author in the Eleventh Plan ?
(A) Education has been given undue favour
(B) The area of health has been given a secondary treatment
(C) Reduction in support for public sector enterprises

(D) Increase in fund allocation to social sector
(E) None of these

108. According to the Eleventh Plan what percentage contribution is expected to come from private sector for investment in infrastructure **(approximately)** ?
(A) 35–40 (B) 7–12
(C) 5–9 (D) 25–30
(E) None of these

109. Which of the following best explains the term **'sunrise areas'** as used in the passage ?
(A) Brighter side of economic development
(B) Horizon as the target for economic development
(C) Research and innovation
(D) Fields in which public and private partnership is possible
(E) Fields that are potent with development avenues

Directions—(Q. 110 to 112) Choose the word which is most nearly the **SAME** in meaning as the word given in **bold** as used in the passage.

110. **Meeting**
(A) Gathering (B) Assembly
(C) Summit (D) Accomplishing
(E) Conference

111. **Identifying**
(A) Choosing (B) Discovering
(C) Solving (D) Intensifying
(E) Embodying

112. **Determine**
(A) Verify (B) Conclude
(C) Decide (D) Limit
(E) Settle

Directions—(Q. 113 to 115) Choose the word which is most **OPPOSITE** in meaning of the word given in **bold** as used in the passage :

113. **Desirable**
(A) Unpleasant (B) Irrational
(C) Unwanted (D) Unscrupulous
(E) Unnoticeable

114. **Crucial**
(A) Trivial (B) Fundamental
(C) Vital (D) Evasive
(E) Essential

115. **Right**
(A) Unconventional (B) Ignoble
(C) Ambiguous (D) Unequivocal
(E) Inappropriate

Directions—(Q. 116 to 125) Which of the Phrases (A), (B), (C) and (D) given below each sentence should replace the phrases printed in **bold** in the following sentences to make the sentence grammatically correct. If the sentence is correct as it is and no correction is required, mark (E) as the answer.

116. If sense permits, it **is safe to use** short sentences than long ones.
(A) Is safe using
(B) Is safe for using
(C) Is safer to use
(D) Has to be safe to use
(E) No correction required

117. He **was absolute ruining** by that unlucky business.
(A) Was absolutely ruined
(B) Had absolute in ruining
(C) Had been absolutely ruining
(D) Was absolute in ruining
(E) No correction required

118. He told the police that he **had been robbed of** all his money by a stranger.
(A) Had been robbed off
(B) Had to be robbed from
(C) Had robbed of
(D) Had been rob off
(E) No correction required

119. If the accused **was guilty for** the crime, he should be punished.
(A) Was guilty in
(B) Has been guilty for
(C) Was in guilt of
(D) Is guilty of
(E) No correction required

120. Nothing will do him **so much good as** a change of air.
(A) As good as
(B) As much good as
(C) So good as much
(D) So much good for
(E) None of these

121. He is unique as he behaves with the same courtesy **of the poor as of** the rich.
(A) For the poor as for
(B) With the poor as of
(C) With the poor as with
(D) To the poor as to
(E) No correction required

122. The judge asked the accused **why was he looking so depressed**.
(A) Why was he looking so depress
(B) Why he looked depressing
(C) Why he was looking so depressed
(D) That why he looked so depressed
(E) No correction required

123. They could not admire his bright performance **because of they dislike** him.
(A) Because of their dislike
(B) Because they dislike
(C) Because of their disliking of
(D) As they have disliked
(E) No correction required

124. **As the time were** hard for all, the country was generally making progress.
(A) Though the times were
(B) Since the time was
(C) Since the times were
(D) Because the time was
(E) No correction required

125. Our hope was that he would not enter college till he **had had some grounding in** science.
(A) Had some ground of
(B) Had had some ground for
(C) Had to have some ground of
(D) Had been having some ground in
(E) No correction required

Directions—(Q. 126 to 130) In each question below a sentence with four words printed in **bold** type is given. These are lettered as (A), (B), (C) and (D). One of these four words may be either **wrongly spelt or inappropriate** in the context of the sentence. Find out the word which is wrongly spelt or inappropriate, if any. The letter of that word is your answer. If all the four words are correctly spelt and also appropriate in the context of the sentence, mark (E) *i.e.*, 'All Correct' as your answer.

126. **Almost** two hours have **elapsed** since he **fell** (A) (B) (C)
asleep. All correct
(D) (E)

127. Have you **noticed** that the country is on the (A)
brink of a **serious dissaster** ? All correct
(B) (C) (D) (E)

128. The **messanger's** story that **appeared** (A) (B)
incredible has turned **out** to be true.
(C) (D)
All correct
(E)

129. She **shade** tears as if to display her **grief**, (A) (B)
but they were not a **genuine expression** of (C) (D)
sorrow. All correct
(E)

130. As a **consequence of** that **earthquack** many (A) (B) (C)
families have been **ruined**. All correct
(D) (E)

Directions—(Q. 131 to 135) In each of the following sentences there are two blank spaces. Below each sentence there are five pairs of words denoted by letters (A), (B), (C), (D) and (E). Find out which pair of words can be filled up in the blanks in the sentence in the same sequence to make the sentence grammatically correct and meaningfully complete.

131. Their minds were …… with the thought of the …… conflict.
(A) Engrossed …… approaching
(B) Prepared …… growing

(C) Absolved …… mere
(D) Swollen …… imminent
(E) Preoccupied …… adverse

132. The doctor reached the house too …… to find the patient ……
(A) Early …… worried
(B) Far …… sick
(C) Late …… alive
(D) Hastily …… immobile
(E) Impatiently …… dead

133. He …… to the audience in a soft but confident tone all …… had happened.
(A) Explained …… whatever
(B) Narrated …… that
(C) Demonstrated …… what
(D) Briefed …… those
(E) Showed …… whatsoever

134. He was …… not to …… done the exercise himself.
(A) Expected …… be
(B) Required …… being
(C) Needed …… get
(D) Warned …… be
(E) Supposed …… have

135. The …… of the …… carried out in the Institute were published.
(A) Reports …… findings
(B) Articles …… observations
(C) Drawbacks …… preparations
(D) Results …… investigations
(E) Observations …… tems

Directions—(Q. 136 to 140) Rearrange the following six sentences (1), (2), (3), (4), (5) and (6) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(1) India, with her many linguistic traditions, has her share of writers, past and present.
(2) They also reflect over important questions and do much more.
(3) Authors serve several roles in any civilization.
(4) Above all, they put down thoughts, facts and descriptions in a format that can be recalled even after many generations have passed.
(5) They systematize knowledge, clarify ideas, inspire readers and take us to realms of fantasy.
(6) They have enriched her culture in countless ways, opened up the minds and sensitivities of millions, and brought joys and tears to just as many.

136. Which of the following will be the **FOURTH** sentence after arrangement ?
(A) 1 (B) 2
(C) 3 (D) 4
(E) 5

137. Which of the following will be the **THIRD** sentence after arrangement ?
(A) 1 (B) 2
(C) 3 (D) 4
(E) 5

138. Which of the following will be the **FIFTH** sentence after arrangement ?
(A) 1 (B) 2
(C) 3 (D) 4
(E) 5

139. Which of the following will be the **SECOND** sentence after arrangement ?
(A) 1 (B) 2
(C) 3 (D) 4
(E) 5

140. Which of the following will be the **FIRST** sentence after arrangement ?
(A) 1 (B) 2
(C) 3 (D) 4
(E) 5

Directions—(Q. 141 to 150) In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

The Reserve Bank has taken a keen …(141)… in the development of the money, the government securities and the foreign exchange markets in …(142)… of their critical role in overall growth

and development of the economy and …(143)… in the transmission mechanism of monetary policy. The approach has been one of simultaneous movement on several fronts, graduated and calibrated, with an …(144)… on institutional and infrastructural development and improvements in market micro-structure. The pace of reforms was contingent …(145)… putting in place appropriate systems and procedures, technologies and market practices. Initiatives taken by the Reserve Bank have brought about a …(146)… transformation of various segments of the financial market. These developments by improving the depth and liquidity in domestic financial markets have …(147)… to better price discovery of interest rates and exchange rates, which, in turn, have led to greater …(148)… in resource allocation in the economy. The increase in size and depth of financial markets has …(149)… the way for …(150)… use of indirect instruments.

141. (A) Interest (B) Participation
(C) Step (D) Role
(E) Concern

142. (A) Point (B) Tune
(C) View (D) Pursuit
(E) Depth

143. (A) Decisively (B) Reluctantly
(C) Visibly (D) Obviously
(E) Particularly

144. (A) Equilibrium (B) Emphasis
(C) Appeasement (D) Overload
(E) Embodiment

145. (A) By (B) For
(C) Against (D) Upon
(E) With

146. (A) Trivial (B) Jubilant
(C) Fastidious (D) Determinant
(E) Significant

147. (A) Addressed (B) Contributed
(C) Initiated (D) Evolved
(E) Regarded

148. (A) Measures (B) Activism
(C) Debacle (D) Efficiency
(E) Pressure

149. (A) Paved (B) Repaired
(C) Dug (D) Elevated
(E) Displayed

150. (A) Revolutionised (B) Indiscriminate
(C) Flexible (D) Arbitrary
(E) Traditional

Test-IV
Clerical Aptitude

Directions—(Q. 151 to 160) These questions are based on the following data. Study it carefully and answer the questions.

Population of Various States (in lakhs) Over the Years

Year/State	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
A	25·00	26·20	26·80	25·60	27·40	28·00	28·50	28·40	29·90	29·60
B	17·70	18·10	18·40	19·30	18·90	19·70	19·40	19·80	21·20	20·80
C	32·50	33·60	34·20	33·90	34·90	35·30	36·10	36·60	37·40	38·20
D	29·40	29·70	32·30	33·10	32·90	33·70	36·50	37·30	37·60	36·90
E	22·50	22·80	23·70	23·60	24·70	25·20	25·40	27·20	28·30	29·20
F	31·30	33·20	32·90	34·20	35·30	34·90	36·10	35·80	36·70	37·30
G	27·80	27·40	30·20	30·60	29·90	31·30	32·40	31·80	32·70	33·50
H	36·70	36·50	37·80	39·30	39·50	38·80	40·20	41·10	41·50	41·90
I	30·70	30·60	31·70	31·80	33·40	32·90	33·70	34·90	34·80	35·40
J	32·40	31·90	32·60	32·90	33·20	33·70	34·80	35·20	35·90	36·20
K	32·40	37·80	39·20	39·90	40·20	41·30	42·20	42·80	43·10	44·60
L	32·60	32·90	33·40	33·80	34·30	35·80	36·20	36·60	37·10	37·80

151. What was the sum of the population of state 'A' in 2002 and the population of state 'I' in 1997 ?
(A) 5910000 (B) 5810000
(C) 5901000 (D) 5801000
(E) None of these

152. Population of state 'B' increased by how much from 1996 to 2000 ?
(A) 1200000 (B) 12000
(C) 120000 (D) 102000
(E) None of these

153. In 2001, which state had the **lowest** population and how much ?
(A) K–1970000 (B) B–1940000
(C) B–1970000 (D) K–1870000
(E) None of these

154. What was the population of state 'F' in 2001 ?
(A) 3530000 (B) 3940000
(C) 2520000 (D) 2540000
(E) None of these

155. What was the total population of state 'E' and state 'F' together in 2003 ?
(A) 630000 (B) 6200000
(C) 6300000 (D) 620000
(E) None of these

156. What was the difference between population of state 'C' in 1999 and population of state 'L' in 2005 ?
(A) 380000 (B) 38000
(C) 39000 (D) 390000
(E) None of these

157. What was the population of state 'D' in 2001 ?
(A) 3370000 (B) 337000
(C) 3307000 (D) 30700
(E) None of these

158. What was the total population of states B, D and F in 2000 ?
(A) 8701000 (B) 8710000
(C) 871000 (D) 870100
(E) None of these

159. Population of state 'H' increased by how much in 2005 from 1999 ?
(A) 230000
(B) 26000
(C) 260000
(D) There is no increase
(E) None of these

160. In 1996, which state had the highest population and how much ?
(A) H–3670000 (B) H–367000
(C) K–374000 (D) K–3704000
(E) None of these

Directions—(Q. 161 to 165) In each of these questions a group of letters is given followed by four combinations of numbers and symbols lettered (A), (B), (C) and (D). Letters are to be coded by the number / symbol. You have to find out which of the four combinations represent the letter group. The letter of that combination is your answer. If none of the combinations is correct, your answer is (E) *i.e.* 'None of these'.

Letter : T R J Q A F E H L D B V
Number/Symbol : 3 9 # 8 4 $ 2 5 7 @ 6 %

161. LTARHF
(A) 79435$ (B) 53497$
(C) 74935$ (D) 37495$
(E) None of these

162. FBVDQL
(A) 46%@87 (B) $6%@78
(C) $6%@87 (D) 46%@87
(E) None of these

163. HTJVLD
(A) 53#%@7 (B) 53#%7@
(C) 23#%7@ (D) 25#%7@
(E) None of these

164. VQFJAE
(A) %8$#42 (B) 68$#42
(C) 68#$42 (D) @8##42
(E) None of these

165. REBQTA
(A) 928634 (B) 296834
(C) 286349 (D) 926834
(E) None of these

Directions—(Q. 166 to 200) In each question below a combination of Name and Address is given in the first column at the left followed by four such combinations one each under the columns (A), (B), (C) and (D). You have to find out the combination which is exactly the same as the combination in the first column. The number of that column which contains that combination is the answer. If all the combinations are different, the answer is (E).

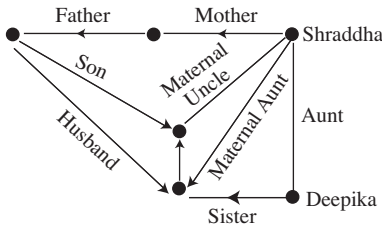
		(A)	(B)	(C)	(D)	(E)
166.	E. Pradeep Kumar Shrirang Colony 36, Khatav Wadi	E. Pradip Kumar Shrirang Colony 36, Khatav Wadi	E. Pradeep Kumar Shrirang Colony 36, Khatow Wadi	E. Pradeep Kumar Srirang Colony 36, Khatav Wadi	E. Pradeep Kumar Shrirang Colony 63, Khatav Wadi	None
167.	Harmeet Kaur 84, Shastri Nagar Aurangabad 17	Harprit Kaur 84, Shastri Nagar Aurangabad 17	Harmeet Kaur 48, Shastri Nagar Aurangabad 17	Harmeet Kaur 84, Shastri Nagar Aurangabad 27	Harmeet Kaur 84, Shastri Nagar Aurangabad 17	None
168.	Kishore Shroof Vasant Kunj Bhusawal 73	Kishore Shroof Vasant Kunj Bhusawal 73	Kishor Shroof Vasant Kunj Bhusawal 73	Kishore Shroof Vasant Vihar Bhusawal 73	Kishore Shroof Vasant Kunj Bhusawal 78	None
169.	Shailaja Bhosale 48-A, V.N. Street Kanpur 136053	Shailaja Bhosale 48-A, V.N. Marg Kanpur 136053	Shailaja Bhosale 48-A, V.N. Street Kanpur 163053	Shailaja Bhosle 48-A, V.N. Street Kanpur 136053	Shailaja Bhosale 48-A, V.N. Street Kanpur 136053	None
170.	Chandrashekhar B/VI, 1391 Pin 390486	Chandrashekhar B/IV, 1391 Pin 390486	Chandrashekhar B/VI, 1391 Pin 390486	Chandrasekhar B/VI, 1391 Pin 390486	Chandrashekhar B/VI, 1391 Pin 390846	None
171.	Vijay Bansidhar 93/B/II Kalpita Goregaon (East)	Vijay Bansidhar 93/B/III Kalpita Goregaon (East)	Vijay Bansidhar 93/B/II Kalpita Goregaon (East)	Vijay Bansidhar 93/B/II Kalpita Goragaon (East)	Vijay Bansilal 93/B/II Kalpita Goregaon (East)	None
172.	Naresh Dhobale 152, F.C. Road Chandigarh 33	Naresh Dhabale 152, F.C. Road Chandigarh 33	Naresh Dhobale 152, F.C. Marg Chandigarh 33	Naresh Dhobale 152, F.C. Road Chandigarh 33	Naresh Dhobale 152, F.C. Road Chandigadh 33	None
173.	Gauri Malhotra 59/39 B.H. Road Phone 67984245	Gouri Malhotra 59/39 B.H. Road Phone 67984245	Gauri Malhotra 39/59 B.H. Road Phone 67984245	Gauri Malhotra 59/39 B.H. Road Tele 67984245	Gauri Malhotra 59/39 D.H. Road Phone 67984245	None
174.	Manish Sahu F–9/425, 'D' Road Junagarh–96	Manish Sahu F–9/425, 'B' Road Junagarh–96	Manish Sahu F–9/425, 'D' Road Junagarh–96	Manish Shahu F–9/425, 'D' Road Junagarh–96	Manish Sahu F–9/425, 'D' Road Janugarh–96	None
175.	Niraj Arora 37, H Wing/III Gopalganj 483065	Niraj Arora 37, H Wing/III Gopalganj 483065	Niraj Arora 37, H Wing/II Gopalganj 483065	Niraj Arora 37, H Wing/III Gopalganj 438066	Niraj Araro 37, H Wing/III Gopalganj 483065	None
176.	Cap. H.K. Singh Qua. B. 2089/III Sarvodya Nagar	Col. H.K. Singh Qua. B. 2089/III Sarvodya Nagar	Cap. H.K. Singh Qua. B. 2098/III Sarvodya Nagar	Cap. H.K. Singh Qua. B. 2089/III Sarvodya Nagar	Cap. H.K. Singh Qua. B. 2089/II Sarvodya Nagar	None
177.	Anish Kalra Sai Niketan 185, 6th Floor	Anish Klra Sai Niketan 185, 6th Floor	Anish Kalra Sai Niketan 158, 6th Floor	Anish Kalra Sai Niketan 185, 6th Floor	Anissh Kalra Sai Niketan 185, 6th Floor	None
178.	Laila Sawant Narayan Niwas J.P. Road, 1786	Lila Sawant Narayan Niwas J.P. Road, 1786	Laila Sawant Narayan Nivas J.P. Road, 1786	Laila Sawant Narayan Niwas J.P. Road, 1768	Laila Sawant Narayan Niwas J.P. Road, 1786	None

179.	Aadiya Sharma 56, Yog Society Kolkata 721423	Aadiya Sharma 56, Yog Sociaty Kolkata 721423	Aadiya Sharma 56, Yog Society Kolkta 721423	Aadiya Shrama 56, Yog Society Kolkata 721423	Aadiya Sharma 56, Yog Society Kolkata 721423	None
180.	Jainendra T.K. 15th main, 6th Cross Tiruwanantpuram	Jainendra T.K. 15th main, 8th Cross Tiruwanantpuram	Jainendra T.K. 15th main, 6th Cross Tiruanantpuram	Jainendra T.R. 15th main, 6th Cross Tiruwanantpuram	Jainendra T.K. 15th main, 6th Cross Tiruwanantpuram	None
181.	Manjula Dave Anjels Apartment Phone 25689393	Manjula Dave Anjels Apartment Phone 25689393	Manjula Deva Anjels Apartment Phone 25689393	Manjula Dave Anjels Apartment Phone 25683939	Manjula Dave Anjels Apartment Fax 25689393	None
182.	Ramesh Vyas Survey No. 119 Bikaner 334004	Ramesh Vyas Survey No. 119 Bikaner 334004	Ramesh Viyas Survey No. 119 Bikaner 334004	Ramesh Vyas Survey No. 129 Bikaner 334004	Ramesh Vyas Survey No. 119 Bikaner 330044	None
183.	Raviraj Gohil 7/12/179-H Sector–45	Raviraj Gehal 7/12/179-H Sector–45	Raviraj Gohil 7/12/197-H Sector–45	Raviraj Gohil 7/12/179-H Sector–45	Raviraj Gohil 7/12/179-H Sector–54	None
184.	Rajesh Bhayani Kaveri Apartment Navi Mumbai 36	Rajesh Bhayani Kaveri Apartment New Mumbai 36	Rajesh Bhiyana Kaveri Apartment Navi Mumbai 36	Rajesh Bhayani Kaberi Apartment Navi Mumbai 36	Rajesh Bhayani Kaveri Apratment Navi Mumbai 36	None
185.	Bhawana Churi 189, Roj Vila Bhawanipur-74	Bhawana Chari 189, Roj Vila Bhawanipur-74	Bhawana Churi 189, Roj Veela Bhawanipur-74	Bhawana Churi 189, Roj Vila Bhawanipur-78	Bhawana Churi 189, Roj Billa Bhawanipur-75	None
186.	V. Shriniwash College Street Devlali 401065	V. Striniwash College Street Devlali 401065	V. Shriniwash College Street Devlali 401065	V. Shriniwash College Street Develali 401065	V. Shriniwash College Street Devlali 400165	None
187.	M.L. Shom Lemington Road Mumbai 400109	N.L. Shom Lemington Road Mumbai 400109	M.L. Shom Lemington Road Mumbai 400109	M.L. Shom Legamitin Road Mumbai 400109	M.L. Shom Lemington Road Mumbai 400119	None
188.	Kailash Mishra 93/11/H-7 Aashirwad	Kailash Mishra 93/11/H-7 Aashirwad	Kailash Mishra 93/11/F-7 Aashirwad	Kailash Mishr 93/11/H-7 Aashirwad	Kailash Mishra 93/11/H-7 Aasheerwad	None
189.	Manilal Reddy House No. 8/36 Fifth Phase	Manipal Reddy House No. 8/36 Fifth Phase	Manilal Reddy House No. 6/38 Fifth Phase	Manilal Reddy House No. 8/36 Fifth Phaze	Manilal Reddy Flat No. 8/36 Fifth Phase	None
190.	Nandan Mhale Devdhar Coloney Jalganw 400108	Nandan Mhale Devdhar Coloney Jalganw 400108	Nandini Mhale Devdhar Coloney Jalganw 400108	Nandan Mhale Derdhar Coloney Jalganw 400108	Nandan Mhale Devdhar Coloney Jaleganw 400108	None
191.	Aadesh Dhawle Bhagat Singh Road Chandigarh 95	Aadesh Dhaale Bhagat Singh Road Chandigarh 95	Aadesh Dhawle Bhagat Singh Road Chandigarh 95	Aadesh Dhawle Bhagat Singh Marg Chandigarh 95	Aadesh Dhawle Bhagat Singh Road Chandigarh 96	None
192.	Rajnish C.R.V. 238, Paranjali Gamdevi, Mumbai	Rajnish C.V.R. 238, Paranjali Gamdevi, Mumbai	Rajnish C.R.V. 328, Paranjali Gamdevi, Mumbai	Rajnish C.R.V. 238, Paranjali Gamdevi, Mumbai	Rajnish C.R.V. 238, Paranjali Gramdevi, Mumbai	None
193	Minachhi More 3rd M.G. Road Nala Sopara 56	Minakshi More 3rd M.G. Road Nala Sopara 56	Minachhi More 3rd H.G. Road Nala Sopara 56	Minachhi More 3rd M.G. Road Nala Sopara 56	Minachhi More 3rd M.G. Road Nala Sopara 65	None

194.	Seema Nirantar 156, Hill Road Mathura 110096	Seema Nirantar 165, Hill Road Mathura 110096	Seema Nirantar 156, Hill Road Mathura 110069	Seema Nirantar 156, Hill Road Mathura 110096	Sima Nirantar 156, Hill Road Mathura 110096	None
195.	Milind Banjare Satya Niwas Fax 014124568	Milindra Banjare Satya Niwas Fax 014124568	Milind Banjare Sataya Niwas Fax 014124568	Milind Banjare Satya Niwas Tele. 014124568	Milind Banjare Satya Niwas Fax 014124586	None
196.	Avinash Gupta 76, Agra Road Varodara 73	Avanish Gupta 76, Agra Road Varodara 73	Avinash Gupta 78, Agra Road Varodara 73	Avinash Gupta 76, Agra Road Barodara 73	Avinash Gupta 76, Agra Road Varodara 73	None
197.	Rama Bhavesh Sadashiv Peth Nagpur 411069	Rama Bhavish Sadashiv Peth Nagpur 411069	Rama Bhavesh Sadashiv Path Nagpur 411069	Rama Bhavesh Sadashiv Peth Nagpur 410169	Rama Bhavesh Sadashiv Peth Nagpur 411069	None
198.	Pranjal Ghosh Ghesas Vari Phone 48639847	Prnjali Ghosh Ghesas Vari Phone 48639847	Pranjal Ghosh Ghesas Vara Phone 48639847	Pranjal Ghosh Ghesas Vari Fax 48639847	Pranjal Ghosh Ghesas Vari Phone 46839847	None
199.	Vandana Aacharya Manibagh Road Bharatpur (M.P.)	Vandana Aacharya Manibagh Road Bharatpur (M.P.)	Vandana Aacharya Manibaga Road Bharatpur (M.P.)	Vandana Aacharya Manibagh Road Bharatpur (Hari.)	Vandana Aacharya Manibagh Path Bharatpur (M.P.)	None
200.	Nikita Vichare Prayash Bangala Indoor 410968	Nikita Vichare Prayash Bangalo Indoor 410968	Nikita Vichare Prayash Bangala Indoor 410968	Nikita Vichare Prayash Bangala Indoor 410986	Nikita Vechare Prayash Bangala Indoor 410968	None

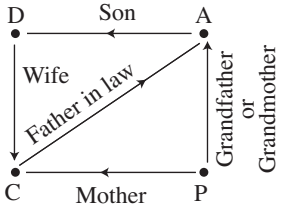
Answers with Explanations

1. (B) Reqd. words are—Art, Ate and Are.
2. (D)
   A R R O G A N C E $\rightarrow$ G A N C A R R O E
   1 2 3 4 5 6 7 8 9
3. (E) As 'soldier' is a part of 'Army' similarly 'student' is a part of 'School'.
4. (B) Sachin is free from 9th April to 11th April and Vinod is free from after examination on 10th April. So, they will meet definetly for visiting museam dated on either 10th April or 11th April.
5. (D) As,
   C H A N D I G A R H $\rightarrow$ D N A H C H R A G I
   1 2 3 4 5 6 7 8 9 10 $\rightarrow$ 5 4 3 2 1 10 9 8 7 6
   Similarly,
   S I K K I M $\rightarrow$ K I S M I K
   1 2 3 4 5 6 $\rightarrow$ 3 2 1 6 5 4
6. (B) All the rest are youngones of animals.
7. (E) do re me $\rightarrow$ he is late … (1)
   fa me la $\rightarrow$ she is early … (2)
   so ti do $\rightarrow$ he leaves soon … (3)
   From (1) and (2), me $\rightarrow$ is
   and from (1) and (3), do $\rightarrow$ he
   $\therefore$ 'late' $\rightarrow$ re.
8. (C)



9. (A) $15 \div 5 \times 9 + 3 - 6 = 15 \times 5 - 9 \div 3 + 6$
   $= 15 \times 5 - \frac{9}{3} + 6$
   $= 75 - 3 + 6$
   $= 78.$
10. (A) D E C A Y = 4 + 5 + 3 + 1 + 25
    = 38.
11. (C) ● < ● < ● < ● < ●
    Karan Mahesh Yash Hirthik Abhisek
12. (A) The teacher uses 'chalk' to write on the 'black-board' and 'chalk' is called 'book'. Hence, the teacher use 'book' to write on the black-board.
13. (B) All the rest are containers.

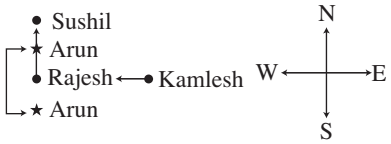
14. (D)



'A' is either father-in-law or mother-in-law of 'C'.

15. (B) D A N G E R → Q M Z T V I

16. (D)



Arun may be either in North or in South of Rajesh. Hence, the data are inadequate.

17. (A) In alphabetic order—

A R G U M E N T → A E G M N R T U

A E G M N R T U → B F H N O S U V

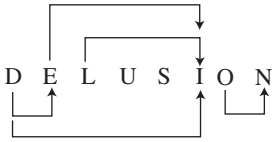
18. (C) As,

O F T E N → F O T N E
1 2 3 4 5 → 2 1 3 5 4

Similarly,

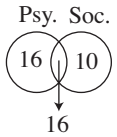
R I S K Y → I R S Y K
1 2 3 4 5 → 2 1 3 5 4

19. (E)



DE, NO, IL, EI and DI.

20. (C)

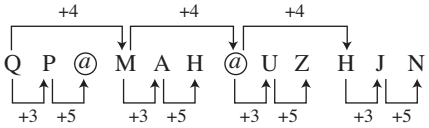


Strength of the class = 16 + 16 + 10
= 42.

21. (E) Only two vowels are such each of which is immediately followed by a symbol—

Q **E** * and R **A** @.

22. (C)



23. (B) 13th element from the left end is 'H' and 8th element to the right of 'H' is 'N'.

24. (D) 12th from the right is # and 7th from the left is R. In the exactly middle between # and R is 9.

25. (A) 10th element from the left after rearrangement is 'Z'.

For Solution from Question 26–30 :

Manager	Place	Means of Travelling
Sharma	Lucknow	Rail
Mishra	Surat	Car
Joshi	Chandigarh or Lucknow	Aeroplane
Nair	Chandigarh or Lucknow	Aeroplane
Kulkarni	Surat	Car
Singh	Delhi	Aeroplane
Rao	Delhi	Aeroplane

26. (A) 27. (B) 28. (E) 29. (D) 30. (C)

31. (A) From I, ● ● ●
C B

From II, ● ● ● ●
D A C

So, from I, If there will be two on the left of B then there will be also on the right of B. So, B will be at middle. So statement I is sufficient to answer. Middle member cannot identify clearly by statement II.

32. (B) From I, the class strength is 45

From II, 16 + ● + 8 ●
Mahesh Shilpa

∴ From II, only Shilpa's rank in the class
= 16 + 1 + 7 + 1
= 25th.

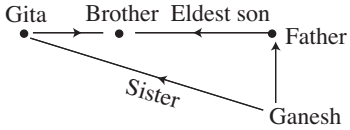
33. (E) From I, P > L (slowest)

From II, P > M > N

∴ From I and II together the answer of question is obtained.

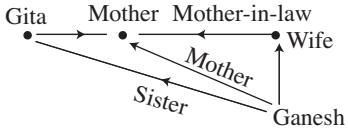
34. (D)

35. (C) From I



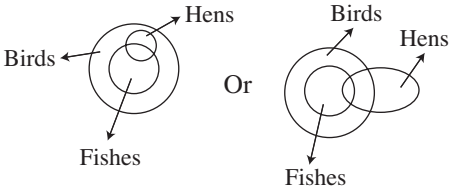
Gita is the sister of Ganesh

From II

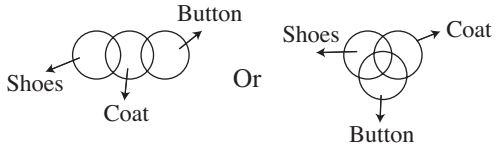


Gita is the sister of Ganesh

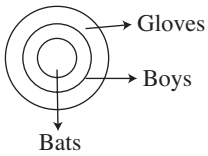
36. (D)



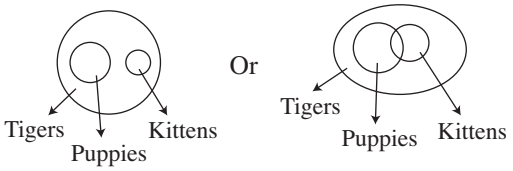
37. (C)



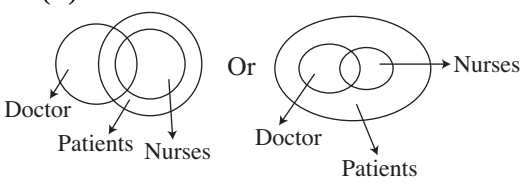
38. (E)



39. (D)

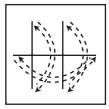


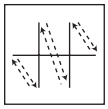
40. (C)



41. (C) In each subsequent figure the main design is rotating 90° and 45° anticlockwise direction respectively and three designs on of its three arms are shifting on the next arm in specific sequence and each time a last one design is missing and a new design is coming.

42. (E) In each subsequent figure the designs on the main design are changing their places mutually as follows—





From (1) to (2) From (2) to (3)
From (3) to (4) From (4) to (5)
From (5) to (6)

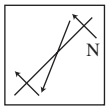
43. (C) In second figure from first figure, first and third designs (from left) out of four designs are changing their places mutually and second and forth designs are also changing their places after reversing mutually. In third figure from second figure all the four designs are on the same place after reversing. These two changing sequences are continuing further respectively.

44. (A) First of all, the small half-circles are joining three times one by one on the fixed one arm outside of the pentagon, after this in each subsequent figure these small half-circles are shifting one-one side in anticlockwise direction outside of pentagon and these are reversing also.

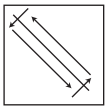
45. (D) In each subsequent figure one new sequare with shaded triangular part is joining and the triangular shaded part is shifting one side in anticlockwise direction each time in this new square.

46. (B) In each subsequent figure one and one and half line is joining inside at anticlockwise direction in circular sequence respectively.

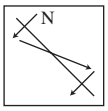
47. (B) In second figure from first the designs are changing their places as follow and a new design is joining at the place of N.⁻—



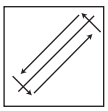
In third figure from second the straight line is rotating 90° clockwise and the designs are changing their places as follow—



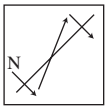
In fourth figure from third the designs are changing their places as follow and a new design is joining at the place of N.‾—



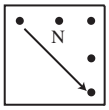
In fifth figure from fourth the straight line is rotating 90° clockwise and the designs are shifting their places as follow.—



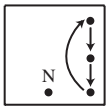
In sixth figure from fifth the designs are changing their places as follow and a new design is joining at the places of N.—



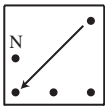
48. (E) In each subsequent figure the designs are changing their places as follows and a new design is joining at the places of N.—



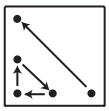
From (1) to (2)



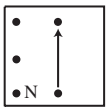
From (2) to (3)



From (3) to (4)



From(4) to (5)



From (5) to (6)

49. (C) The designs are shifting one side anticlockwise and reversing in third figure from first and in fifth figure from third and similarly, in fourth figure, from second and in sixth figure from fourth.

50. (A) In each subsequent figure a new leaf is joining in clockwise direction and the group of leaves are rotating 45° clockwise after remaining two times in same position and half and one leaf is becoming shaded respectively from backside.

51. (A) $\because \quad 666 \div (2{\cdot}4 \times ?) = 185$

$\Rightarrow \quad (2{\cdot}4 \times ?) = \frac{666}{185}$

$\therefore \quad ? = \frac{3{\cdot}6}{2{\cdot}4} = 1{\cdot}5$

52. (D) $? = 956 \times 753$

$= 719868$

53. (D) $\because \quad \frac{3}{8} \times \frac{4}{7} \times ? = 5376$

$\therefore \quad ? = 5376 \times \frac{14}{3}$

$= 25088$

54. (E) $\because [(9)^3 \times (?)^2] \div 21 = 1701$

$\Rightarrow \quad 729 \times (?)^2 = 1701 \times 21$

$\Rightarrow \quad (?)^2 = \frac{1701 \times 21}{729}$

$= 49$

$\therefore \quad ? = 7$

55. (C) $? = 897214 - 336 - 46521 - 1249 - 632176$

$= 897214 - (680282)$

$= 216932$

56. (E) $? = 666 \times 66 \times 6$

$= 263736$

57. (A) $\because \quad \sqrt{11881} \times \sqrt{?} = 10137$

$\Rightarrow \quad \sqrt{(109)^2} \times \sqrt{?} = 10137$

$\Rightarrow \quad \sqrt{?} = \frac{10137}{109} = 93$

$\therefore \quad ? = 93^2$

$= 8649$

58. (E) $\because \quad 3{\cdot}5 \times 2{\cdot}4 \times ? = 42$

$\therefore \quad ? = \frac{42}{8{\cdot}4} = 5{\cdot}0$

59. (D) $? = \sqrt[3]{804357}$

$= \sqrt[3]{93 \times 93 \times 93}$

$= 93$

60. (C) $\because \quad \sqrt{?} \div 16 \times 24 = 186$

$\Rightarrow \quad \frac{\sqrt{?}}{16} \times 24 = 186$

$\Rightarrow \quad \sqrt{?} = 186 \times \frac{2}{3} = 124$

$\therefore \quad ? = (124)^2$

$= 15376$

61. (E) $\because \quad (?)^2 \div (0{\cdot}04)^2 \times 5{\cdot}6 = 117740$

$\Rightarrow \quad (?)^2 \times \frac{1}{0{\cdot}0016} \times 5{\cdot}6 = 117740$

$\Rightarrow \quad (?)^2 = \frac{117740 \times 0{\cdot}0016}{5{\cdot}6}$

$= 33{\cdot}64$

$\therefore \quad ? = \sqrt{33{\cdot}64}$

$= 5{\cdot}8$

62. (B) $\because \quad 9418 - ? + 1436 + 2156$

$= 5658$

$\Rightarrow \quad 13010 - ? = 5658$

$\therefore \quad ? = 13010 - 5658$

$= 7352$

63. (C) $\because \quad 9865 + ? + 3174 + 2257$

$= 19425$

$\Rightarrow \quad ? + 15296 = 19425$

$\therefore \quad ? = 19425 - 15296$

$= 4129$

64. (B) $\because \quad \frac{9}{?} \times 33824 = 63$

$\therefore \quad ? = \frac{9 \times 33824}{63}$

$= 4832$

65. (C) $\because$ 64% of ? – 96% of 1120

$= 499{\cdot}2$

$\Rightarrow \quad \frac{64}{100} \times ? - \frac{96}{100} \times 1120 = 499{\cdot}2$

$\Rightarrow \quad \frac{64}{100} \times ? = 499{\cdot}2 + 1075{\cdot}2$

$\therefore \quad ? = 1574{\cdot}4 \times \frac{25}{16}$

$= 2460$

66. (B) $\because \quad (99)^2 - (?)^2 + (38)^2 = 8436$

$\Rightarrow \quad (?)^2 = 11245 - 8436$

$= 2809$

$\therefore \quad ? = \sqrt{2809}$

$= 53$

67. (D) $\quad ? = 12{\cdot}36 \times 18{\cdot}15 + 21{\cdot}52$

$= 224{\cdot}334 + 21{\cdot}52$

$= 245{\cdot}854$

68. (A) $\because$ (98764 + 89881 + 99763 + 66342)

$\div$ (1186 + ? + 1040 + 1870)

$= 55$

$\Rightarrow \quad (354750) \div (? + 4096) = 55$

$\Rightarrow \quad ? + 4096 = \frac{354750}{55}$

$\therefore \quad ? = 6450 - 4096$

$= 2354$

69. (A) $\quad ? = (64)^2 \div \sqrt[3]{32768}$

$= (64)^2 \div \sqrt[3]{32 \times 32 \times 32}$

$= \frac{64 \times 64}{32}$

$= 128$

70. (E) $\quad ? = \frac{21 \times 14 - 34}{12{\cdot}4 + 5{\cdot}6 - 15{\cdot}5}$

$= \frac{294 - 34}{18{\cdot}0 - 15{\cdot}5}$

$= 104$

71. (C) $\quad 0{\cdot}09 \times 6{\cdot}8 \times ? = 2{\cdot}142$

$\Rightarrow \quad ? = \frac{2{\cdot}142}{0{\cdot}09 \times 6{\cdot}8}$

$= 3{\cdot}5$

72. (E) $\because \quad (19)^? = (19)^{12} \times (19)^8 \div (19)^4$

$= (19)^{12 + 8 - 4}$

$= (19)^{16}$

$\therefore \quad ? = 16$

73. (D) $? = 11\frac{1}{7} + 2\frac{5}{8}$

$= (11 + 2) + \left(\frac{1}{7} + \frac{5}{8}\right)$

$= (13) + \left(\frac{8 + 35}{56}\right)$

$= 13 + \frac{43}{56}$

$= 13\frac{43}{56}$

74. (B) $\because$ 680% of ? = 290360

$\Rightarrow \quad ? = \frac{290360}{680} \times 100$

$\therefore \quad ? = 42700$

75. (A) ?% of $920 \times 7{\cdot}5 = 2898$

$\Rightarrow \quad \frac{?}{100} \times 6900 = 2898$

$\therefore \quad ? = \frac{2898}{69}$

$= 42$

76. (E) Let Bhuvan has the number of hens

$= x$

Then, number of cows $= (71 - x)$

As per question,

$\because \quad 2 \times x + 4 \times (71 - x) = 228$

$\Rightarrow \quad 2x + 284 - 4x = 228$

$\Rightarrow \quad 4x - 2x = 284 - 228$

$\Rightarrow \quad 2x = 56$

$\therefore \quad x = \frac{56}{2} = 28$

Hence, the required number of hens

$= 28$

77. (E) $\because \quad x + y = 23$

$x \cdot y = 126$

$\therefore \quad (x)^2 + (y)^2 = (x + y)^2 - 2x \cdot y$

$= (23)^2 - 2 \times 126$

$= 529 - 252$

$= 277$

78. (A) Required average

$= \frac{1}{8}[965 + 362 + 189 + 248 + 461 + 825 + 524 + 234]$

$= \frac{1}{8}[3808]$

$= 476$

79. (A) Let the ten's and unit's digits of a two-digit number are x and y respectively.

Then Two digit number $= 10 \cdot x + y$

As per question,

$\because \quad (10x + y) - (10y + x) = 18$

$\Rightarrow \quad 9(x - y) = 18$

$\therefore \quad x - y = 2 \quad \ldots(1)$

and $\quad x + y = 12 \quad \ldots(2)$

Solving Equation (1) and (2), we get

$x = 7$

and $\quad y = 5$

Hence, the product of the two digits of two-digit number.

$= x \times y$

$= 7 \times 5$

$= 35$

80. (B) $\because$ There are six letters in the word "GROUND" and all of them are different.

$\therefore$ Required number of ways of arrangements

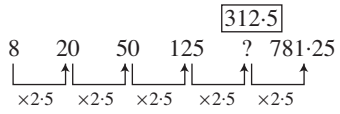
$= {}^6P_6$

$= \lfloor 6$

$= 6 \times 5 \times 4 \times 3 \times 2 \times 1$

$= 720$

81. (D) The process of formation and order of the given number series is as follows :



$\therefore \quad ? = 125 \times 2{\cdot}5$

$= 312{\cdot}5$

82. (C) Required Population

$= 189000\left(1-\frac{8}{100}\right)\times\left(1+\frac{5}{100}\right)$

$= 189000\left(\frac{92}{100}\right)\left(\frac{105}{100}\right)$

$= 182574$

83. (D) ? $= 894 \div 28 \times \sqrt{589}$

$= \frac{894 \times 24{\cdot}27}{28}$

$\simeq 774{\cdot}906$

$\simeq 775$ (Approximate)

84. (B) $\because$ 18 men can complete a piece of work

$=$ in 5 days

$\therefore$ One man can complete the same work

$=$ in (18×5) days

$\therefore$ 21 men can complete the same work

$= \text{in } \frac{18\times 5}{21}$

$= 4\frac{2}{7}$ days

85. (B) $\because$ $21a + 21b = 1134$

$\Rightarrow (a+b) = \frac{1134}{21}$

$= 54$

$\therefore$ Average of $(a+b) = \frac{1}{2}(a+b)$

$= \frac{54}{2}$

$= 27$

86. (E) Let the total number of girls in the school

$= x$

$\therefore$ Total number of boys in the school

$= \frac{116}{100}x$

$= \frac{29}{25}x$

$\therefore$ Required Ratio $= \frac{\frac{29}{25}x}{x} = \frac{29}{25}$

$= 29 : 25$

87. (B) Let the required number

$= x$. Then,

$\because$ 42% of x – 35% of $x = 110{\cdot}6$

$\therefore x = \frac{110{\cdot}6\times 100}{7}$

$= 1580$

$\therefore$ 60% of the number $= 1580 \times \frac{60}{100}$

$= 948$

88. (E) Let the third number $= x$

Then, First number $= 3x$

and Second number $= \frac{1}{2}(3x)$

$= \frac{3}{2}x$

As per question,

$\because \frac{1}{3}\left(3x+\frac{3}{2}x+x\right) = 154$

$\Rightarrow \frac{1}{3}\left(\frac{6x+3x+2x}{2}\right) = 154$

$\Rightarrow \frac{11x}{6} = 154$

$\therefore x = 14 \times 6$

$= 84$

$\therefore$ Required difference $=$ First no. – Third no.

$= 3x - x$

$= 2x$

$= 2 \times 84$

$= 168$

89. (C) The total distance of the journey

$= (75 + 25 + 50)$ kms

$= 150$ kms

Total time of the journey

$= \left(\frac{75}{25}+\frac{25}{5}+\frac{50}{25}\right)$ hours

$= (3 + 5 + 2)$ hours

$= 10$ hours

$\therefore$ Average speed of the car $= \frac{150 \text{ kms.}}{10 \text{ hours}}$

$= 15$ km/hours

90. (D) ∵ The sum of money is to be divided amongst P, Q and R is not known.
∴ The amount received by Q **cannot be determined**.

91. (C) ? = 783 times 869
= 783×869
= 680427

92. (C) Let the numerator and denominator of the original fraction be x and y respectively
Then, as per question—

$$\frac{x + 250\% \text{ of } x}{y + 300\% \text{ of } y} = \frac{7}{9}$$

$$\Rightarrow \frac{x + 2{\cdot}5x}{y + 3y} = \frac{7}{9}$$

$$\Rightarrow \frac{3{\cdot}5\,x}{4{\cdot}0y} = \frac{7}{9}$$

$$\Rightarrow \frac{7x}{8y} = \frac{7}{9}$$

$$\therefore \text{ Original Fraction } = \frac{x}{y} = \frac{8}{9}$$

93. (D) Required Compound Interest

$$= 8560\left[\left(1 + \frac{4}{100}\right)^2 - 1\right]$$

$$= 8560\left[\left(\frac{26}{25}\right)^2 - 1\right]$$

$$= 8560\left[\frac{676 - 625}{625}\right]$$

$$= \frac{8560 \times 51}{625}$$

$$= 698{\cdot}496$$

$$\simeq \text{Rs. } 698 \text{ (Approx)}$$

94. (A) Total numbers of candles in all the boxes
= $15 \times 12 \times 39$
= 180×39
= 7020

95. (E) Let the required number = x
Then, ∵ $x^2 + (57)^2 = 8010$
$\Rightarrow x^2 = 8010 - (57)^2$
$= 8010 - 3249$
$= 4761$
$\therefore x = \sqrt{4761}$
$= 69$

96. (C) ∵ L.C.M. of 42, 56 and 63 seconds
= $2 \times 2 \times 2 \times 3 \times 3 \times 7$
= 504 seconds
Hence, they will be together at the starting point after
= 504 seconds

97. (E) Let the original selling price of the watch
= Rs. x. Then,
∵ $x \times \frac{(100 - 25)}{100}$ = Rs. 1545
$\Rightarrow x \times \frac{3}{4}$ = Rs. 1545
$\therefore x$ = Rs. $\frac{1545 \times 4}{3}$
$= 515 \times 4$
= Rs. 2060

98. (A) Let Anurima invest the principal sum for t years, to obtain the required amount. Then,
∵ $12710 = 10250\left[1 + \frac{4 \times t}{100}\right]$
$\Rightarrow \frac{10250 \times 4 \times t}{100} = 12710 - 10250$
$\Rightarrow \frac{41000\,t}{100} = 2460$
$\therefore t = \frac{2460}{410}$
= 6 years

99. (C) Required total cost
= Cost of [23 kgs of sugar + 26 kgs of rice + 21 kgs. of wheat]
= Rs. $\left[23 \times \frac{448}{16} + 26 \times \frac{756}{18} + 21 \times \frac{546}{14}\right]$
= Rs. $[23 \times 28 + 26 \times 42 + 21 \times 39]$
= Rs. [644 + 1092 + 819]
= Rs. 2555

100. (A) Let the smaller number of two consecutive odd number be x.
Then, ∵ $x \times (x + 2) = 19043$
$\Rightarrow x^2 + 2x - 19043 = 0$
$\Rightarrow x^2 + 139x - 137x - (139 \times 137) = 0$
$\Rightarrow x(x + 139) - 137(x + 139) = 0$
$\Rightarrow (x - 137)(x + 139) = 0$
$\therefore x = 137$
Hence, the smaller odd number = 137

101. (A) 102. (A) 103. (C) 104. (B) 105. (D)
106. (E) 107. (B) 108. (A) 109. (E) 110. (D)
111. (B) 112. (C) 113. (C) 114. (A) 115. (C)
116. (C) 117. (A) 118. (E) 119. (D) 120. (E)
121. (C) 122. (C) 123. (B) 124. (A) 125. (E)
126. (E)
127. (D) Write 'Disaster'.
128. (A) Write Messenger's.
129. (A) Write 'shed'.
130. (C) Write 'earthquake'.
131. (D) 132. (C) 133. (B) 134. (E) 135. (D)
136. (D) 137. (B) 138. (A) 139. (E) 140. (C)
141. (A) 142. (C) 143. (E) 144. (B) 145. (A)
146. (E) 147. (B) 148. (D) 149. (A) 150. (D)
151. (A) 152. (C) 153. (C) 154. (E) 155. (C)
156. (D) 157. (A) 158. (B) 159. (C) 160. (A)
161. (E) 162. (C) 163. (B) 164. (A) 165. (D)
166. (E) 167. (D) 168. (A) 169. (D) 170. (B)
171. (B) 172. (C) 173. (E) 174. (B) 175. (A)
176. (C) 177. (C) 178. (D) 179. (D) 180. (D)
181. (A) 182. (A) 183. (C) 184. (E) 185. (E)
186. (B) 187. (B) 188. (A) 189. (E) 190. (A)
191. (B) 192. (C) 193. (C) 194. (C) 195. (E)
196. (D) 197. (D) 198. (E) 199. (A) 200. (B)