

# SRI KRISHNAVENI COACHING CENTRE

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Time: 2hr

EXAM: SSC (CHSL)

MODEL PAPER - 4

Max: Mar: 200

## PART-I GENERAL INTELLIGENCE

1. If 'NEUROTIC' can be written as 'TICRONEU' then how can 'PSYCHOTIC' be written?  
(1) TICCOHPSY (2) TICCHOPSY  
(3) TICCOHPSY (4) TICHCOPSY

2. Some letters are given below in low in the first line and numbers are given below them in the second line. Numbers are the codes for the alphabets and viceversa. Choose the correct numbercode for the given set of alphabets.

C	W	E	A	Z	X	J	Y	K	L
3	9	5	7	4	8	1	0	2	6

JWXCLZ

- (1) 198364 (2) 198264  
(3) 198354 (4) 197354
3. From the given alternatives select the word which can be formed using the letters given in the word.

PREPARATION

- (1) PAMPER (2) REPEAT  
(3) PARTITION (4) PARROT
4. If 'GLOSSORY' is coded as 97533562 and 'GEOGRAPHY' = 915968402, then 'GEOLOGY' can be coded as  
(1) 915692 (2) 9157592  
(3) 9057592 (4) 9157591.

5. From the given alternatives select the word which cannot be formed using the letters 'of the given word.

INTERVENTION

- (1) ENTER (2) INTENTION  
(3) (4) ENTERTAIN

**Directions (6-7) :** In the following questions select the missing number from the given responses

6.  $\begin{matrix} 81 & 36 & 25 \\ 49 & 100 & 36 \\ 9 & 64 & 16 \\ 139 & 200 & ? \end{matrix}$   
(1) 107 (2) 77 (3) 27 (4) 50

7.  $\begin{matrix} 2 & 24 & 48 \\ 3 & 9 & 27 \\ 4 & ? & 40 \end{matrix}$   
(1) 10 (2) 16 (3) 12 (4) 32

**Directions (8-9) :** In the following questions some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

8. If  $2463 = 36$  and  $5552 = 30$ , then  $6732 = ?$   
(1) 32 (2) 36 (3) 34 (4) 39
9.  $4 \times 6 \times 9 = 694$ ,  $5 \times 3 \times 2 = 325$ ,  $7 \times 8 \times 2 = ?$   
(1) 729 (2) 872 (3) 827 (4) 279

10. If - means  $\times$ ,  $\times$  means  $+$ ,  $+$  means  $\div$  and  $\div$  means - then

$$40 \times 12 + 3 - 6 \div 60 = ?$$

- (1) 44 (2) 16 (3) 7.95 (4) 4

11. After starting from, a point, A walks 3 km towards East, then turning to his left he moves 3 km. After this he again turns left and moves 3 km. In which direction is 'A' from his starting point?

- (1) North (2) East (3) West (4) South

12. A man go the north side and then turns right and walks 20 metres, then again turns right and walks 10 metres, then again turns right and walks 20 metres. How far is he from his original position?

- (1) 5 (2) 10 (3) 15 (4) 20

13. Select the Correct combination of mathematical signs to replace \* signs and to balance the given equation

$$5 * 6 * 5 * 8 * 14$$

- (1)  $+-\times=$  (2)  $\times\div+=$   
(3)  $\div+=-$  (4)  $+\times- \div$

**Directions (14-15):** In the following questions two statements are given followed by two conclusions I and II. You have to consider the statements/inferences to be true even if they seem to be at variance from commonly known a facts. You are to decide which of the given conclusions, if any, follow from the given statements Indicate your answer.

14. **Statements :**  
(i) For protection of Indian museums Central Government is responsible.  
(ii) Victoria Memorial Hall is national property.

**Conclusions :**

- (I) Indian museum is national property.  
(II) Historical property of nation is protected by the Central Government.  
(1) Only conclusion I follows.  
(2) Only conclusion II follows.  
(3) Both conclusions I and II follow.  
(4) None of the conclusions follows.

15. **Statements:**  
(i) Some chairs are made up of wood.  
(ii) Some tables are made up wood.

**Inferences:**

- (I) All wooden things are either chairs or tables.  
(II) Some chairs are tables.  
(1) Only inference I follows.  
(2) Only inference II follows.  
(3) Both inferences I and II follow.  
(4) None of the inferences follows.

**Directions (16-22):** In the following questions select the related words / letters / number from the given alternatives.

16. Foot; ? :: Hand : Wrist  
 (1) Length (2) Shoe  
 (3) Ankle (4) Leg
17. Chair : Wood :: ?  
 (1) Book : Print (2) Mirror : Glass  
 (3) Plate : Food (4) Purse : Money
18. EDUCATION : NOITACUDE ::  
 INTELLIGENCE : ?  
 (1) ECENGILLTEIN (2) ECNGEILLTENI  
 (3) ECNEGILLETNI (4) ECNEGILLTENI
19. AZCX : BYDW :: HQJO : ?  
 (1) GREP (2) IPKM  
 (3) IPKN (4) GRJP
20. 08 : 66 :: ? : 38  
 (1) 2 (2) 6 (3) 12 (4) 19
21. 32 : 21 :: 35 : ?  
 (1) 51 (2) 53 (3) 32 (4) 26
22. Cobbler : Leather :: Carpenter : ?  
 (1) Furniture (2) Wood  
 (3) Hammer (4) Chair

**Directions (23-26):** In the following questions find the odd Words / letters / number pair from the given alternatives

23. (1) Flag : Flagship (2) Court : Courtship  
 (3) War : Worship (4) Friend.: Friendship
24. (1) BDFH (2) MOQS  
 (3) SUWY (4) TVZE
25. (1) 8 - 15 (2) 25 - 36  
 (3) 49 - 64 (4) 81 - 100
26. (1) Barter (2) Purchase  
 (3) Sale (4) Borrow
27. Find out the set among the four sets which is like the given set.

(13 : 20 : 27)

- (1) (3 : 11 : 18) (2) (18 : 25 : 32)  
 (3) (18 : 27 : 72) (4) (7 : 14 : 28)
28. How many Ms occur in the following series such that it is preceded by **W** and followed by **V**?

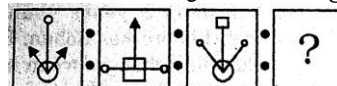
**XUVMRSTMWNVMWOPMWU**  
**VMWACWMVHPNVMMWTUN**

- (1) 3 (2) 2 (3) 1 (4) 5
29. Arrange the following words as per order in the dictionary  
 1. Aqueous 2. Aquarium  
 3. Aquiline 4. Aquatic  
 (1) 4, 3, 2, 1 (2) 1, 2, 3, 4  
 (3) 2, 4, 1, 3 (4) 3, 1, 4, 2
30. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?  
 mc \_ m \_ a \_ ca \_ ca \_ c \_ mc  
 (1) a c m mm a (2) c a m c a m  
 (3) a a a c m m (4) a c m m m c

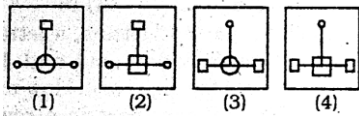
31. Which one of the given responses would be a meaningful order of the following ?  
 1. Twilight 2. Dawn  
 3. Noon 4. Night  
 (1) 2, 1, 3, 4 (2) 2, 3, 1, 4  
 (3) 1, 2, 3, 4 (4) 1, 3, 2, 4

**Directions (32-34):** In the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

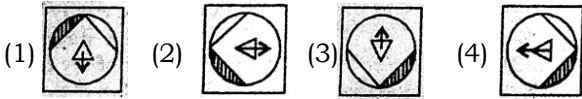
32. 5, 6, 9, 14, 21, ?  
 (1) 28 (2) 30 (3) 31 (4) 29
33. 4, 11, 30, 67, 128, ?  
 (1) 219 (2) 228 (3) 231 (4) 237
34. AMN, BOP, CQR, ?  
 (1) BAS (2) DST (3) EQP (4) FRS
35. Lakshmi is elder than Meenu. Leela is elder than Meenu but younger than Lakshmi. Latha is younger than both Meenu and Hari but Hari is younger than Meenu. Who is the youngest?  
 (1) Lakshmi (2) Meenu  
 (3) Leela (4) Latha
36. Nikhil is 8 years younger than his brother Rohan. How old will Rohan be when he is twice as old as Nikhil ?  
 (1) 4 (2) 6 (3) 8 (4) 16
37. In a row of letters, a letter is 5th from left end and 12th from the right end. How many letters are there in a row?  
 (1) 15 (2) 16 (3) 17 (4) 18
38. Pointing to a lady Simon said, "She is the daughter of the only sister of my father". How is lady related to Simon?  
 (1) Mother (2) Aunt  
 (3) Sister (4) Cousin sister
39. If A = 1, ACT = 24, then FAT = ?  
 (1) 26 (2) 25 (3) 27 (4) 24
40. If the day before yesterday was Wednesday, when will Sunday be?  
 (1) Today (2) Tomorrow  
 (3) Day after tomorrow  
 (4) Two days after tomorrow
41. In 60 families 30% of the families own a car each. 50% of the remaining family own a motor cycle each balance of families own a bicycle each. How many families own bicycle?  
 (1) 12 (2) 21 (3) 18 (4) 42
42. In a gathering seven members are sitting in a row. 'C' is sitting left to 'B' but on the right to 'D'. 'A' is sitting right to 'B'. 'F' is sitting right to 'E' but left to 'D'. 'H' is sitting left to 'E'. Find the person sitting in the middle.  
 (1) C (2) D (3) E (4) F
43. Select the related figure from the given alternatives: Question Figures :



Answer Figures

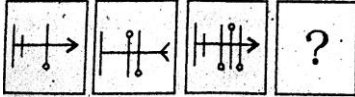


44. Find the odd figure from the given alternatives

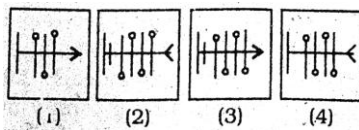


45. Choose the correct alternative from the given ones that will complete the series.

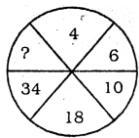
Question Figures:



Answer Figures:



46. Select the missing number from the given responses.



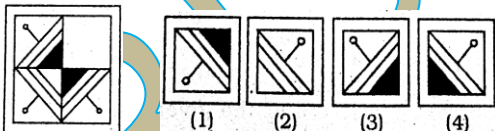
- (1) 2 (2) 52  
(3) 66 (4) 28

47. Identify the diagram that best represents the relationship among classes given below:

**Mammal, Dog and Bat**

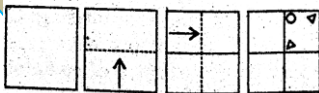


48. Which answer figure will complete the pattern in the question figure?

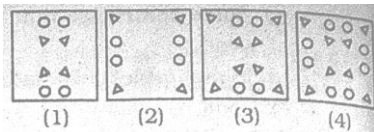


49. A piece of paper is folded and cut/punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?

Question Figures:



Answer Figures:

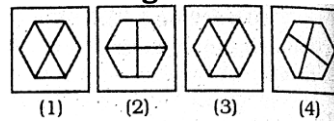


50. From the given answer figures, select the one in which the question figure is hidden / embedded.

Question Figure:



Answer Figures:



**PART II**  
**ENGLISH LANGUAGE**

**Directions (51 - 55):** In the following questions, a sentence has been given in Active / Passive Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/ Active Voice.

51. **The washer man will return the clothes in the evening.**

- (1) The clothes will have to be returned by the washer man in the evening.  
(2) The clothes will be returned by the washer man in the evening.  
(3) The clothes will return by the washer man in the evening.  
(4) In the evening the clothes will have been returned by the washer man.

52. **He picked up the telephone and dialled the police number.**

- (1) The telephone was being picked up and the police number dialled.  
(2) The telephone was picked up and the police number dialled.  
(3) The telephone had been picked up and the police number dialled.  
(4) The telephone has been picked up and the police number dialled.

53. **An i-pod has been bought, by Anubhav's mother.**

- (1) Anubhav's mother was engaged in buying an i-pod.  
(2) Anubhav's mother had bought an i-pod.  
(3) Anubhav's mother has been buying an i-pod.  
(4) Anubhav's mother has bought an i-pod.

54. **I took care of his dog.**

- (1) His dog was taken care by me.  
(2) His dog is taken care by me.  
(3) His dog is taken care of by me.  
(4) His dog was taken care of by me.

55. **Some girls were, cleaning their dormitories.**

- (1) The dormitories were cleaned by some girls.  
(2) The dormitories will have been cleaned by some girls.  
(3) The dormitories were being cleaned by some girls.  
(4) The dormitories are being cleaned by some girls.

**Directions (56-60) :** In the following questions a sentence has been given in Direct/Indirect. Out of the four alternatives suggested, select the one which best expresses the same, sentence in Indirect/Direct.

56. **He proposed to his companions that they should not miss that chance to see the last show.**

(1) He said to his companions, 'Let us not to miss the chance to see the last show.'

(2) He said to his companions, 'Let us not miss that chance to see the last show.'

(3) He said to his companions, 'We should not miss that chance to see the last show.'

(4) He said to his companions, 'Let us not miss the chance to see the last show.'

57. **He swore in the name of God that he was ignorant of the matter.**

(1) He said, "I'm ignorant by God!"

(2) He declared, "God knows I was ignorant of the matter."

(3) He said, 'By God! I'm ignorant of the matter.'

(4) He said he was ignorant of God.

58. **"How much will you pay for this cow?" Jack asked the strange man.**

(1) Jack asked the strange man how much he would pay for that cow.

(2) Jack asked the strange man how much would he pay for that cow.

(3) Jack asked the strange man how much would he pay for this cow. '

(4) Jack asked the strange man how much he will pay for that cow.

59. **The teacher said "Water boils at 100°C."**

(1) The teacher told water boiled at 100°C.

(2) The teacher said that water boiled at 100°C.

(3) The teacher said that water boils at 100°C.

(4) The teacher told that water boiled at 100°C.

60. **"Bring me an elephant with one golden tusk." the witch told her minion.**

(1) The witch requested her minion to bring her an elephant with one golden tusk.

(2) The witch told her minion to bring her the elephant with one golden tusk.

(3) The witch ordered her minion to bring her an elephant with one golden tusk.

(4) The witch advised her minion to bring her an elephant with one golden tusk.

**Directions (61-66) :** In the following questions, the 1st and the last sentences / parts of the passage / sentence are numbered 1 and 6. The rest of the passage/sentence is split into four parts and named P, Q, R and S. These four parts are not given in their proper order. Read the passage/sentence and find out which of the four combinations is correct. Then find the correct answer.

61. **1. AIDS is an incurable disease which affects the resistance power of the body.**

P. People succumb within two years and often die inspite of any treatment.

Q. AIDS is caused by a virus named HIV. .

R. In such a condition the body is totally defenseless against all kinds of infection.

S. HIV destroys the white blood cells which fight the bacterial virus.

**6. Thorough research is going on throughout the world for the prevention and cure of AIDS.**

(1) QPRS (2) QSRP (3) RQSP (4) SPQR

62. **1. Six robbers entered a Nationalised bank today at 9.50 a.m.**

P. One group kept an eye on the customers.

Q. The assistant manager was forced to unlock the vault.

R. The other group held the Manager at gun point.

S. They cut off the telephone lines and deactivated the burglar alarm.

**6. The whole operation was over in 20 minutes.**

(1) SPRQ (2) PSRQ (3) PQSR (4) QPRS

63. **1. One of the greatest advances**

P. has been the invention of computers

Q. in modern technology

R. in industry, administration and education.

S. which are widely used

**6. and in almost every sphere of human life.**

(1) PQRS (2) QPSR (3) QPRS (4) SPQR

64. **1. The amount of oxygen**

P. to meet the increasing demands

Q. due to indiscriminate deforestation

R. is being diminished day by day

S. which is released from the plant kingdom

**6. of the human population.**

(1) RQSP (2) PSRQ (3) RPQS (4) SRQP

65. **1. Books are the best company.**

P. Through books we even see them as if they are really alive.

Q. They also give us the best society.

R. We hear what such great men said or did.

S. They help us in establishing contact with many great men.

**6. As we read, we share great thoughts with great men.**

(1) PQSR (2) QRSP (3) QSRP (4) SPQR

66. **1. A patient accusing a doctor**

P. of malpractice will find it difficult

Q. without another doctor's testimony

R. to prove damage

S. or even file a case in the court

**6. about proper medical procedures.**

(1) RPQS (2) SQPR (3) QRPS (4) PRSQ

**Directions (67 - 71) :** In the following passage some of the words have been left out. Read the passage carefully and choose the correct answer to each question out of the four alternatives and fill in the blanks.

In these days of cable television the radio has again become popular. As in the days before the (67) of television, people switch on their radios first thing in the morning. FM channels of every (68) can be heard broadcasting news and songs of every (69). More than anything else, people prefer to listen (70) which bring a refreshing change to the (71) routine of their everyday lives.

67. (1) advent (2) appearance  
(3) birth (4) genesis
68. (1) range (2) variety  
(3) frequency (4) category
69. (1) state (2) language  
(3) description (4) kind
70. (1) into the songs (2) from the songs  
(3) the songs (4) to the songs
71. (1) packed (2) monotonous  
(3) exciting (4) light

**Directions (72-76) :** In the following questions, you have a brief passage with 5 questions following the passage. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Bringing up the baby is now a science and fine art ! Most of the maternal grandparents would agree with this statement. My mother lost fifteen kilos in six months when my son was born and I gained that as much. Both ways it was because of the anxiety and shared responsibility. My colleagues welcome retirement when their daughter is ready to deliver or had just delivered. They most often befriend young experienced mothers and spend long counseling sessions with them collecting tips on how to tackle a crisis.

It is a funny sight to see grey haired women browse "Bringing up Baby" books at the local book store. One tends to think what they did with their own off springs. Ask them and pat comes the reply "it was so easy then. They grew up on their own". The mother may wear many hats at the same time, But to her or her parents, the mind boggling thing for the first few years is diaper changes, circadian rhythm and continual feeding. At home social life is taboo. Phone calls give cause for irritation, music becomes noise, friends and relatives become total strangers, the domestic help a spirit of mercy and the pediatrician a fairy godmother. Raising a kid is akin to a guerilla warfare and it you hear, a woman say that her baby 'is beautiful and perfect and an angel all the time' then she is the grandma.

72. How did the mother and the daughter share the same anxiety?  
(1) Both were uneasy with the newborn

- (2) Both feared babies  
(3) Both were concerned about raising the baby  
(4) Both were nervous about shared responsibility

73. Why do female colleagues welcome retirement?  
(1) They get lot of free time  
(2) They become free to attend to household duties.  
(3) They can be of help to their daughters and their offspring.  
(4) They can cook good food for their children and grandchildren.
74. 'To wear many hats' means  
(1) Wear helmet (2) Wear head gear  
(3) Do hairstyling  
(4) Undertake much work
75. Why is social life taboo at home?  
(1) Babies are demanding.  
(2) Babies do not like guests.  
(3) Babies hate parties.  
(4) Babies prefer to go out than stay at home.
76. What is difficult for maternal grandparents?  
(1) Raising grandchildren  
(2) Feeding children  
(3) Giving birth to grandchildren  
(4) Bringing up babies

**Directions (77-81):** In the following questions, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error. The number of that part is the answer. If a sentence is free from error, your answer is (4) i.e. No error.

77. Rohan had been playing (1)/ for his club for fifteen years, (2) / when his elbow got injured. (3)/ No error.(4)
78. None of (1)/the twins (2)/ offered to help. me. (3)/ No error. (4)
79. My teacher (1)/ did not object (2)/ to me using the calculator. (3)/ No error.(4)
80. The river (1)/ has overflown (2)/ its banks. (3)/ No error.(4)
81. The principal (1)/ started hi§ lecture (2)/ with a pessimistic note. (3)/ No error. (4)

**Directions (82-86) :** In the following questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four as your answer.

82. The bird's voice was speaking \_\_\_\_\_ all lying under stars.  
(1) to (2) for (3) at (4) in
83. India will \_\_\_\_\_ arch rival Pakistan in the finals.  
(1) takes after (2) looks after  
(3) taken back (4) take on

84. The shepherd was looking after the \_\_\_\_ of sheep.  
 (1) crew (2) gang (3) fleet (4) flock
85. Many of us believe that science is something modern \_\_\_\_ the truth is otherwise.  
 (1) unless (2) though (3) if (4) as if
86. \_\_\_\_ my food and my repose were salted,  
 (1) None of (2) All of (3) Both (4) Both of

**Directions (87- 88) :** In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.

87. **Staunch**  
 (1) Loyal (2) Benign (3) Good (4) Wise
88. **Vivacious**  
 (1) Lively (2) Venomous  
 (3) Clear (4) Superior

**Directions (89 - 90) :** In the following questions, choose the word opposite in meaning to the given word.

89. **Spite**  
 (1) Spleen (2) Venom  
 (3) Spirit (4) Affection
90. Modesty  
 (1) Honesty (2) Vanity  
 (3) Originality (4) Variety

**Directions (91-92) :** In the following questions, four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word.

91. (1) Sovenir (2) Souvenir  
 (3) Suvenir (4) Suvenior
92. (1) Adalosent (2) Adolascent  
 (3) Adolescent (4) Adaloscent

**Directions (93-95) :** In the following questions, four alternatives are given for the Idiom/ Phrase printed in bold in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase as your answer.

93. Rajib **washed his hands of** the matter long ago.  
 (1) overcame the difficulties  
 (2) refused to accept responsibility for  
 (3) took the responsibility  
 (4) refused to change the decision
94. All the neighbours **gave her the cold shoulder** because she illtreated .her daughter inlaw.  
 (1) showed intentional unfriendliness to her company  
 (2) felt her shoulder was cold.  
 (3) showed dislike for her company.  
 (4) showed liking for her company.
95. If you want to solve the problem for ever you must **take the bull by the horns**.  
 (1) pull the bull's horns.  
 (2) face a difficulty or danger boldly.  
 (3) run away from a difficulty or danger.

(4) face a difficulty or danger confidently.

**Directions (96-98) :** In the following questions, out of the four alternatives choose the one which can be substituted for the given words/sentence.

96. A place where bees are kept  
 (1) Aviary (2) Apiary .  
 (3) Granary (4) Dispensary
97. A hater of women  
 (1) Bigamist (2) Misogynist  
 (3) Misanthrope (4) Polygynist
98. A person who runs away from justice or the law  
 (1) Refugee (2) Martyr  
 (3) Fugitive (4) Recluse

**Directions (99-100) :** In the following questions, a part of the sentence is printed in bold. Below are given alternatives to the bold part at (1), (2), (3) which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (4).

99. The expert was **very interesting** in this candidate.  
 (1) was having interest (2) was very interested  
 (3) is having interest (4) No improvement
100. The criminal was ordered to be **hanged to death**.  
 (1) hung to death (2) hanged till death  
 (3) hung till death (4) No improvement

**PART-III**  
**QUANTITATIVE APTITUDE**

101. If  $x + \frac{1}{y} = 1$  and  $y + \frac{1}{z} = 1$  then  $z + \frac{1}{x}$  is equal to  
 (1) 2 (2)  $\frac{1}{2}$  (3) 1 (4) 0
102. If  $4x - 5z = 16$  and  $xz = 12$ , the value of  $64x^3 - 125z^3$  is equal to -  
 (1) 15610 (2) 15616 (3) 15618 (4) 15620
103. If  $x + y + z = 15$ ,  $xy + yz + zx = 75$ , then  $\frac{x + 4y + z}{3z}$  is equal to  
 (1) 1 (2) 0 (3) 2  
 (4) -1
104. If the graphs of  $3x - 5y = -8$  and  $3x + 5y = 32$  intersect at the point (p, q), then the value of (p - q) is  
 (1) 3 (2) 2 (3) 1 (4) 0
105. If  $x = \sqrt{3} + \sqrt{2}$ ,  $y = \sqrt{3} - \sqrt{2}$  then the value of  $8xy (x^2 + y^2)$  is  
 (1)  $16\sqrt{6}$  (2) 32 (3)  $48\sqrt{2}$  (4) 80
106. 50 persons can do a work in 12 days, working 6 hours/day. 60 persons can do the same-

- work in 8 days, working  $x$  hours per day. The value of  $x$  is  
 (1) 15 (2)  $7\frac{1}{2}$  (3)  $5\frac{2}{3}$  (4) 5
107. The side BC of the triangle ABC is produced to D. If  $\angle ACD = 112^\circ$  and  $\angle ABC = \frac{3}{4} \angle BAC$ , then the  $\angle ABC$  is equal to  
 (1)  $68^\circ$  (2)  $58^\circ$  (3)  $48^\circ$  (4)  $38^\circ$
108. In  $\triangle ABC$ , X and Y are points on sides AB and BC respectively such that  $XY \parallel AC$  and XY divides triangular region ABC into two parts equal in area. Then  $\frac{AX}{AB}$  is equal to  
 (1)  $\frac{2+\sqrt{2}}{2}$  (2)  $\frac{\sqrt{2}+3}{2}$  (3)  $\frac{2-\sqrt{2}}{2}$  (4)  $\frac{3-\sqrt{2}}{2}$
109. A circle is touching the side BC of  $\triangle ABC$  at P and is also touching AB and AC produced at Q and R respectively. If  $AQ = 6$  cm, then perimeter of  $\triangle ABC$  is  
 (1) 6 cm (2) 10 cm (3) 12 cm (4) 18 cm
110. In  $\triangle ABC$ ,  $\angle A = 80^\circ$ . If BD and CD are internal bisectors of  $\angle B$  and  $\angle C$  respectively, then the  $\angle BDC$  is,  
 (1)  $100^\circ$  (2)  $110^\circ$  (3)  $120^\circ$  (4)  $130^\circ$
111. The area of an isosceles trapezium is  $176 \text{ cm}^2$  and the height is  $\frac{2}{11}$ th of the sum of its parallel sides. If the ratio of the length of the parallel sides be 4 : 7, then the length of a diagonal is  
 (1)  $\sqrt{168}$  cm (2)  $2\sqrt{147}$  cm  
 (3)  $\sqrt{137}$  cm (4)  $2\sqrt{137}$  cm
112. The medians AD, BE and CF of a triangle ABC are of lengths 18 cm, 24 cm and 30 cm respectively. The area in  $\text{cm}^2$  of the triangle is  
 (1) 96 (2) 192 (3) 288 (4) 374
113. A solid iron sphere of diameter 6 cm is melted and made to a hollow cylindrical pipe of external, diameter 10 cm and of length 4 cm. The width of the sheet of pipe is  
 (1) 1 cm (2) 2 cm (3) 3 cm (4) 4 cm
114. If the Volumes of a sphere and a cylinder of equal radius are same, the ratio of the radius and height of the cylinder will be  
 (1) 4 : 3 (2) 3 : 2 (3) 3 : 4 (4) 2 : 3
115. The length of two parallel chords of a circle are 6 cm and 8 cm. If the smaller chord is at a distance of 4 cm from the centre, the distance of the other chord from the centre is  
 (1) 5 cm (2) 6 cm (3) 4 cm (4) 3 cm
116. If the difference between an exterior angle of a regular polygon of  $n$  sides and an exterior angle of another regular polygon of  $(n + 1)$  sides is equal to  $5^\circ$ , then the value of  $n$  is  
 (1) 5 (2) 6 (3) 7 (4) 8
117. If the base of a right prism of 20 cm high is a rhombus whose diagonal are 14 cm and 18 cm, then the volume in  $\text{cm}^3$  of the prism will be  
 (1) 2520 (2) 2250 (3) 3520 (4) 1250
118. The value of the  $\sin^2 1^\circ + \sin^2 3^\circ + \sin^2 5^\circ + \dots + \sin^2 87^\circ + \sin^2 89^\circ$  is  
 (1) 22 (2)  $22\frac{1}{2}$  (3) 23 (4)  $22\frac{1}{4}$
119. The minimum value of  $\cos^2 \theta + \sec^2 \theta$  is  
 (1) 0 (2) 1 (3) 2 (4) 3
120. If  $\cos \theta + \sec \theta = 2$  ( $0^\circ \leq \theta \leq 90^\circ$ ) then the value of  $\cos 10\theta + \sec 10\theta$  is  
 (1) 0 (2) 1 (3) 2 (4) -1
121. If the base of a right pyramid is a triangle of sides 21cm, 20 cm, 13cm and its altitude is 30 cm, then its volume (in  $\text{cm}^3$ ) will be  
 (1) 430 (2) 630 (3) 1068 (4) 1260
122. The value of  $\frac{1}{2} + \left(\frac{7}{8} \times \frac{4}{5}\right) - \left(\frac{2}{3} \div \frac{4}{5}\right) + \frac{3}{4}$  of  $\frac{2}{5}$   
 (1)  $\frac{1}{3}$  (2)  $\frac{2}{3}$  (3)  $\frac{3}{4}$  (4)  $\frac{3}{5}$
123. Let  $x = 5 + \frac{1}{\sqrt{5}} + \frac{1}{5 + \sqrt{5}} + \frac{3}{\sqrt{5} - 5}$ . The value of  $x$  is  
 (1)  $5 + \sqrt{5}$  (2) 0 (3)  $\frac{9}{2}$  (4) 5
124. The total number of prime factors in  $(25)^{10} \times (24)^{20} \times (26)^{25}$  is  
 (1) 1000 (2) 120 (3) 150 (4) 140
125. The value of  $\frac{0.625 \times 0.0729 \times 28.9}{0.0081 \times 0.025 \times 1.7}$  is  
 (1) 3825 (2) 3845 (3) 3925 (4) 3945
126. In a division sum, the divisor is 10 times the quotient and 5 times the remainder. If the remainder is 40, then the dividend is  
 (1) 240 (2) 440  
 (3) 4040 (4) 4000.
127. Two numbers are respectively 25% and 40% less than a third number. What per cent of the first is the second?  
 (1) 60 (2) 70 (3) 40 (4) 80
128. A reduction of 20% in the price of sugar enables Mr. Bhadra to buy an extra 5 kg of it for Rs.320. The original rate of sugar is  
 (1) Rs.12 per kg (2) Rs.15 per kg  
 (3) Rs.16 per kg (4) Rs.20 per kg
129. In two blends of mixed tea, the ratios of Darjeeling and Assam tea are 4 : 7 and 2 : 5. The ratio in which these two blends should be mixed to get the ratio of Darjeeling and Assam tea in the new mixture as 6 : 13 is  
 (1) 2 : 7 (2) 5 : 13 (3) 4 : 13 (4) 22 : 35
130. The value of  $\sqrt{8 - 8 \times \frac{2\frac{1}{5} - 1\frac{2}{7}}{2 - \frac{1}{6 - \frac{1}{6}}}}$  is equal to

- (1) 0 (2) 4 (3) 3 (4) 2
131.  $\sqrt{\frac{0.081 \times 0.324 \times 4.624}{1.5625 \times 0.0289 \times 72.9 \times 64}}$  is equal to  
 (1) 24 (2) 2.4 (3) 0.024 (4) 2.04
132. In a particular type of alloy the ratio of lead to tin is 5 : 6. The amount of lead should be added to 12.1 kg of this material to make the ratio 1 : 1 is  
 (1) 1.1 kg (2) 1 kg (3) 0.9 kg (4) 1.5 kg
133. If the average of  $m$  numbers is  $n^2$  and that of  $n$  numbers is  $m^2$ , then the average of  $(m + n)$  numbers is  
 (1)  $\frac{m}{n}$  (2)  $mn$  (3)  $m - n$  (4)  $m + n$
134. The simple interest at  $x\%$  for  $x$  years will be Rs.  $x$  on a sum of  
 (1) Rs.  $x$  (2) Rs.  $100x$   
 (3) Rs.  $\frac{100}{x}$  (4) Rs.  $\frac{100}{x^2}$
135. If  $2x + 3y : 3x + 5y = 18 : 29$  then  $\frac{x}{y}$  is equal to  
 (1)  $\frac{3}{4}$  (2)  $\frac{4}{3}$  (3)  $\frac{2}{3}$  (4)  $\frac{5}{6}$
136. The cost price of 18 articles is equal to the selling price of 15 articles. The gain per cent is  
 (1) 25% (2) 20% (3) 18% (4) 15%
137. Successive discounts of 50% and 50% is equivalent to  
 (1) 100% (2) 75% (3) 50% (4) 25%
138. A, B, C enter into a partnership with shares in the ratio  $\frac{7}{2} : \frac{4}{3} : \frac{6}{5}$ . After 4 months. A increases his share by 50%. If the total profit at the end of the year was Rs. 43, 200, then the B's share in the profit is  
 (1) Rs. 4,200 (2) Rs. 4300  
 (3) Rs. 7,200 (4) Rs. 8,000
139. Two trains, of same length, are running in parallel tracks in opposite directions with speed 65 km/hour and 85 km/hour respectively. They cross each other in 6 seconds. The length of each train is  
 (1) 100 metre (2) 115 metre  
 (3) 125 metre (4) 150 metre
140. A shopkeeper sells an article at a loss of  $12\frac{1}{2}\%$ . Had he sold the article for Rs. 51.80 more, he would have earned a profit of 6%. The cost price of the article is  
 (1) 280 (2) 580 (3) 370 (4) 450
141. From the top of a tree of height 120m the angle of depression of two boats in the same line with the foot of the tree and on the same side of it are  $45^\circ$  and  $60^\circ$  respectively. The distance between the boats is  
 (1)  $40(\sqrt{3} - 1)$  metre (2)  $40\sqrt{3} - 1$  metre

- (3)  $120(\sqrt{3} - 1)$  metre (4)  $120(\sqrt{3} - 1)$  metre
142.  $(a + b - 2c)^3 + (b + c - 2a)^3 + (c + a - 2b)^3$  is equal to  
 (1)  $(a + b - 2c)(b + c - 2a)(c + a - 2b)$   
 (2)  $2(a + b - 2c)(b + c - 2a)(c + a - 2b)$   
 (3)  $3(a + b - 2c)(b + c - 2a)(c + a - 2b)$   
 (4)  $-3(a + b - 2c)(b + c - 2a)(c + a - 2b)$
143. The sum of two numbers is 528, and their HCF is 33. How many pairs of such numbers can be?  
 (1) 1 (2) 2 (3) 3 (4) 4
144. A, B and C are three taps connected to a tank. A and B together can fill the tank in 6 hours, B and C together can fill it in 10 hours and A and C together can fill it in  $7\frac{1}{2}$  hours. In how much time will C alone fill the tank?  
 (1) 10hrs (2) 12hrs (3) 20hrs (4) 30 hrs
145. If  $\sec\theta - \operatorname{cosec}\theta = 0$ , then the value of  $\tan\theta + \cot\theta$  is  
 (1) 0 (2) 1 (3) -1 (4) 2
146. A and B walk from one corner of a rectangular field to the corner just diagonally opposite. A walks along the diagonal, and B walks along the sides, reaching the finishing point together. If the ratio of the length and breadth of the field is 3 : 4, the ratio of their speeds is  
 (1) 3 : 4 (2) 4 : 3 (3) 4 : 5 (4) 5 : 7

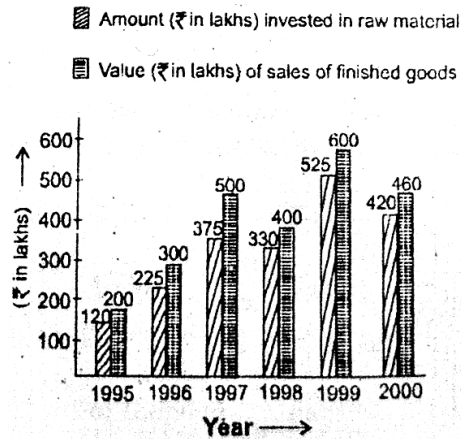
**Directions (147 - 148):** Study the following table and answer the questions.

Years	Percentage of candidates qualified under discipline					Total number of candidates qualified
	Arts	Science	Commerce	Agriculture	Engineering	
2006	24	40	19	09	08	780
2007	15	42	18	13	12	650
2008	20	45	20	08	07	500
2009	15	45	16	14	10	620
2010	19	35	15	19	12	900
2011	18	42	14	12	14	850

147. The increase in the number of candidates qualified under Engineering discipline from 2009 to 2010 was  
 (1) 28 (2) 30 (3) 46 (4) 49
148. The number of candidates qualified in Science discipline was the lowest in the year  
 (1) 2006 (2) 2008 (3) 2009 (4) 2010

**Directions (149 - 150) :** Study the following graph and answer the questions given below :





149. The value of sales of finished goods in 1999 was approximately what per cent of amount invested in raw materials in the year 1997, 1998 and 1999?  
 (1) 33% (2) 37% (3) 49% (4) 52%
150. The maximum difference between the amount invested in raw materials and the value of sales of finished goods in that year was in the year  
 (1) 1995 (2) 1996 (3) 1997 (4) 1998

**PART-IV**  
**GENERAL AWARENESS**

151. Which of the following metals is used in Space Crafts to withstand high temperatures?  
 (1) Fe (2) Ti (3) Ni (4) Pb
152. Over use of resource is called "Tragedy of Commons" it was propounded by:  
 (1) Garrett Hardin (2) Seligman  
 (3) Adolph Wagner (4) A.P. Lerner
153. "National Youth Day" Is marked on :  
 (1) January 15 (2) January 9  
 (3) January 18 (4) January 12
154. The highest altitude (4411 meters above sea level) is of:  
 (1) Daocheng Yading Airport  
 (2) Heathrow Airport  
 (3) Kathmandu Airport  
 (4) Bangda Airport
155. Which of the following is protected under Wildlife (Protection) Act 1972?  
 (1) Porcupine (2) Gerbil  
 (3) Bandicoot rat (4) Squirrel
156. Brass gets discoloured in air due to constant exposure in presence of:  
 (1) Aluminium phosphide  
 (2) Hydrogen sulphide  
 (3) Hydrogenated wafers  
 (4) Aluminium sulphide
157. A NOT gate can be implemented by:  
 (1) a single diode (2) two diodes  
 (3) a single resistor (4) a single transistor
158. Article 1 of the Indian Constitution declares "India that is Bharat" is a:  
 (1) Union of States  
 (2) Federal State with Unitary features  
 (3) Unitary State with federal features  
 (4) Federal State

159. Plantation of trees on a large scale to check soil erosion are called:  
 (1) Shelter belts (2) Contour ploughing  
 (3) Strip cropping (4) Afforestation
160. Persistence of vision is the Principle behind:  
 (1) Binocular (2) Cinema  
 (3) periscope (4) Camera
161. Thinner particles responsible for deteriorating the air-quality resulting in the damage of vital body organs are referred as PM:  
 (1) 15.5 (2) 10.5 (3) 2.5 (4) 20.5
162. What is 'Milindapanho'? -  
 (1) A Buddhist place  
 (2) One of the names of Buddha  
 (3) A Buddhist Specimen of Art  
 (4) A Buddhist text
163. Of the following, in which did Napoleonic France suffer final, defeat?  
 (1) Battle of Trafalgar  
 (2) Battle of Wagram  
 (3) Battle of Pyramids  
 (4) Battle of Austerlitz
164. An example of protein which acts as a hormone is :  
 (1) Trypsin (2) Oxytocin  
 (3) Keratin (4) Casein
165. The fat of a common mussel-secretes a sticky glue that can be used to make heart implants. The unique chemical compound present in the glue is:  
 (1) Amino phenyl alanine  
 (2) Hydroxy phenyl alanine  
 (3) Phenylalanine  
 (4) Dihydroxy phenyl alanine
166. Tick the correct option of GDP (Gross Domestic Product) contributed by service sector in the past:  
 (1) During 2000-01 (GDP- 65.54%)  
 (2) During 1980 - 81 (GDP - 50.00%)  
 (3) During 1950 - 51 (GDP - 34.63%)  
 (4) During 2011 - 12 (GDP - 57.00%)
167. Which was the first super computer purchased by India for medium range weather forecasting?  
 (1) CrayXMP-14 (2) Medha - 930  
 (3) CDC Cyber 930-11 (4) Param
168. The study of population is called:  
 (1) Cartography (2) Anthropology  
 (3) Demography (4) Biography
169. Well preferred tree fossil supposed to be from Jurassic Age in India is reported from:  
 (1) Pithauragarh (2) Chhattisgarh  
 (3) Ramgarh (4) Bahadurgarh
170. The primary producer in an ecosystem are;  
 (1) Women (2) Men  
 (3) Plants (4) Bacteria
171. The Vice-President is:  
 (1) A member of Lok Sabha  
 (2) A member of Rajya Sabha  
 (3) A member of either House  
 (4) Not a member of the Parliament
172. In <HR>, the HR stands for:

- (1) Heading Regulations  
 (2) Happy Romulans  
 (3) Horizontal Rule  
 (4) Horizontal Rulers
173. The Government of India Act, 1935 was based on  
 (1) Simon Commission  
 (2) Lord Curzon Commission  
 (3) Dimitrov Thesis  
 (4) Lord Clive's report
174. Some of the ingredients required for bread making are:  
 (1) Maida and Yeast  
 (2) Maida and Baking Powder  
 (3) Maida and Baking Soda  
 (4) Maida and Ghee
175. Which one of the following hormone is called "Emergency Hormone" ?  
 (1) Adrenaline (2) Thyroxine  
 (3) Vasopressin (4) insulin
176. Who among the following was appointed on June 18, 2014 as the Private Secretary to Prime Minister Narendra Modi?  
 (1) Rajeev Topno (2) Sameer Verma  
 (3) Alok Singh (4) BVRC Purushottam
177. Who founded the Indian National Party in Berlin during 1914?  
 (1) Subhash Chandra Bose  
 (2) W.C. Banerjee  
 (3) Surendranath Banerjee  
 (4) Champakaraman Pillai
178. Malaria is transmitted from one person to another by:  
 (1) Aedes Mosquito (2) Culex Mosquito  
 (3) Anopheles Mosquito (4) All of the above
179. Who was the head of the 10th Finance Commission?  
 (1) Manmohan Singh (2) Vasant Sathe  
 (3) Shiv-Shankar (4) K.C Pant
180. In India, Special Economic Zones were established to enhance:  
 (1) Free trade (2) Foreign Investment  
 (3) Employment (4) Technology Development
181. Salal is the hydro power project in  
 (1) Haryana (2) Jammu and Kashmir  
 (3) Himachal Pradesh (4) Punjab
182. During Quit India Movement 'Parallel Government' was constituted at:  
 (1) Varanasi (2) Allahabad  
 (3) Lucknow (4) Ballia
183. Liver is a RICH source of  
 (1) sugars (2) fat soluble vitamins  
 (3) minerals (4) proteins
184. Cuscuta is a:  
 (1) Saprophyte (2) Epiphyte  
 (3) Xerophyte (4) Parasite
185. In the case of an inferior good the income elasticity of demand is  
 (1) Zero (2) Negative (3) Infinite (4) Positive
186. Nitrogen is an essential constituent of all  
 (1) Fats (2) Proteins  
 (3) Vitamins (4) Carbohydrates
187. The Sargasso sea is situated in the;
- (1) Atlantic Ocean (2) Pacific Ocean  
 (3) Indian Ocean (4) Arctic Ocean
188. Who discovered electromagnetic nature of light?  
 (1) Snell (2) Newton (3) Maxwell (4) Young
189. Judges of the district court are appointed by:  
 (1) Governor (2) Chief Minister  
 (3) Law Minister (4) President .
190. The Poona Pact (1932) was an agreement between:  
 (1) Nehru and Ambedkar  
 (2) Gandhi and Ambedkar  
 (3) Malaviya and Ambedkar  
 (4) Gandhi and Nehru
191. Time of exposure required for taking photograph of an object depends upon the  
 (1) brightness of the object  
 (2) skill of photographer  
 (3) proximity of object  
 (4) size of the object
192. On which side did Japan fight in the First World War ?  
 (1) none, it was neutral  
 (2) with Germany against United Kingdom  
 (3) against Russia on Its own  
 (4) with United Kingdom against Germany
193. The Maharashtra Government on June 13, 2014 decided to waive \_\_\_\_\_ farm electricity arrears till March 31, 2014.  
 (1) Rs. 8032 crore (2) Rs. 7394 crore  
 (3) Rs. 6997 crore (4) Rs. 7536 crore
194. In which year the planning commission was set-up?  
 (1) 1950 (2) 1951 (3) 1952 (4) 1949
195. Who among the following was sworn in as the Chief Justice of the Pakistan's Supreme Court on July 6, 2014?  
 (1) Tariq Khadeir (2) Nasir-ul-Mulk  
 (3) Abdiasis Abu Salem  
 (4) Ali Nour Malik Kadir
196. The layer of the atmosphere in which Radio Waves are reflected back is called ;  
 (1) Ionosphere (2) Troposphere  
 (3) Stratosphere (4) Exosphere
197. Who can impose reasonable restrictions over fundamental rights ?  
 (1) Council of Ministers (2) Parliament  
 (3) People (4) Cabinet
198. The number of eggs normally released during one menstrual cycle is:  
 (1) 3 (2) 2 (3) 1 (4) 4
199. According to the data revealed by the 558th round of the National Sample Survey Office in July 2014, the per capita per month consumption of fish is the highest in the State of  
 (1) Kerala (2) West Bengal  
 (3) Tamil Nadu (4) Odisha
200. The animal that do not develop hypertension inspite of heavy intake of salt is:  
 (1) Sheep (2) Buffalo (3) Tiger (4) Camel

**MODEL PAPER-IV ANSWER SHEET**

1	2	51	2	101	3	151	2
2	1	52	2	102	2	152	1
3	4	53	4	103	3	153	4
4	2	54	4	104	4	154	1
5	4	55	3	105	4	155	1
6	2	56	2	106	2	156	2
7	1	57	3	107	3	157	4
8	1	58	1	108	3	158	1
9	3	59	3	109	3	159	4
10	4	60	3	110	4	160	2
11	1	61	2	111	4	161	3
12	1	62	1	112	3	162	4
13	2	63	2	113	1	163	1
14	3	64	4	114	3	164	2
15	4	65	4	115	4	165	4
16	3	66	4	116	4	166	4
17	2	67	1	117	1	167	1
18	3	68	1	118	2	168	3
19	3	69	2	119	3	169	2
20	2	70	4	120	3	170	3
21	1	71	2	121	4	171	4
22	2	72	3	122	2	172	3
23	3	73	3	123	3	173	1
24	4	74	4	124	3	174	1
25	1	75	1	125	1	175	1
26	4	76	1	126	3	176	1
27	2	77	3	127	4	177	4
28	3	78	1	128	3	178	3
29	3	79	3	129	4	179	4
30	1	80	2	130	4	180	2
31	2	81	4	131	3	181	2
32	2	82	2	132	1	182	4
33	1	83	4	133	2	183	4
34	2	84	4	134	3	184	4
35	4	85	2	135	1	185	2
36	4	86	3	136	2	186	2
37	2	87	1	137	2	187	1
38	4	88	1	138	4	188	3
39	3	89	4	139	3	189	1
40	3	90	2	140	1	190	2
41	2	91	2	141	1	191	1
42	2	92	3	142	3	192	4
43	4	93	2	143	4	193	2
44	4	94	1	144	4	194	1
45	4	95	2	145	4	195	2
46	3	96	2	146	4	196	1
47	4	97	2	147	3	197	2
48	2	98	3	148	2	198	3
49	3	99	2	149	3	199	1
50	1	100	2	150	3	200	4

**MODEL PAPER-IV ANSWER SHEET**

1	2	51	2	101	3	151	2
2	1	52	2	102	2	152	1
3	4	53	4	103	3	153	4
4	2	54	4	104	4	154	1
5	4	55	3	105	4	155	1
6	2	56	2	106	2	156	2
7	1	57	3	107	3	157	4
8	1	58	1	108	3	158	1
9	3	59	3	109	3	159	4
10	4	60	3	110	4	160	2
11	1	61	2	111	4	161	3
12	1	62	1	112	3	162	4
13	2	63	2	113	1	163	1
14	3	64	4	114	3	164	2
15	4	65	4	115	4	165	4
16	3	66	4	116	4	166	4
17	2	67	1	117	1	167	1
18	3	68	1	118	2	168	3
19	3	69	2	119	3	169	2
20	2	70	4	120	3	170	3
21	1	71	2	121	4	171	4
22	2	72	3	122	2	172	3
23	3	73	3	123	3	173	1
24	4	74	4	124	3	174	1
25	1	75	1	125	1	175	1
26	4	76	1	126	3	176	1
27	2	77	3	127	4	177	4
28	3	78	1	128	3	178	3
29	3	79	3	129	4	179	4
30	1	80	2	130	4	180	2
31	2	81	4	131	3	181	2
32	2	82	2	132	1	182	4
33	1	83	4	133	2	183	4
34	2	84	4	134	3	184	4
35	4	85	2	135	1	185	2
36	4	86	3	136	2	186	2
37	2	87	1	137	2	187	1
38	4	88	1	138	4	188	3
39	3	89	4	139	3	189	1
40	3	90	2	140	1	190	2
41	2	91	2	141	1	191	1
42	2	92	3	142	3	192	4
43	4	93	2	143	4	193	2
44	4	94	1	144	4	194	1
45	4	95	2	145	4	195	2
46	3	96	2	146	4	196	1
47	4	97	2	147	3	197	2
48	2	98	3	148	2	198	3
49	3	99	2	149	3	199	1
50	1	100	2	150	3	200	4

**MODEL PAPER-IV ANSWER SHEET**

1	2	51	2	101	3	151	2
2	1	52	2	102	2	152	1
3	4	53	4	103	3	153	4
4	2	54	4	104	4	154	1
5	4	55	3	105	4	155	1
6	2	56	2	106	2	156	2
7	1	57	3	107	3	157	4
8	1	58	1	108	3	158	1
9	3	59	3	109	3	159	4
10	4	60	3	110	4	160	2
11	1	61	2	111	4	161	3
12	1	62	1	112	3	162	4
13	2	63	2	113	1	163	1
14	3	64	4	114	3	164	2
15	4	65	4	115	4	165	4
16	3	66	4	116	4	166	4
17	2	67	1	117	1	167	1
18	3	68	1	118	2	168	3
19	3	69	2	119	3	169	2
20	2	70	4	120	3	170	3
21	1	71	2	121	4	171	4
22	2	72	3	122	2	172	3
23	3	73	3	123	3	173	1
24	4	74	4	124	3	174	1
25	1	75	1	125	1	175	1
26	4	76	1	126	3	176	1
27	2	77	3	127	4	177	4
28	3	78	1	128	3	178	3
29	3	79	3	129	4	179	4
30	1	80	2	130	4	180	2
31	2	81	4	131	3	181	2
32	2	82	2	132	1	182	4
33	1	83	4	133	2	183	4
34	2	84	4	134	3	184	4
35	4	85	2	135	1	185	2
36	4	86	3	136	2	186	2
37	2	87	1	137	2	187	1
38	4	88	1	138	4	188	3
39	3	89	4	139	3	189	1
40	3	90	2	140	1	190	2
41	2	91	2	141	1	191	1
42	2	92	3	142	3	192	4
43	4	93	2	143	4	193	2
44	4	94	1	144	4	194	1
45	4	95	2	145	4	195	2
46	3	96	2	146	4	196	1
47	4	97	2	147	3	197	2
48	2	98	3	148	2	198	3
49	3	99	2	149	3	199	1
50	1	100	2	150	3	200	4

KRISHNA VENI