

Staff Selection Commission (Southern Region) Combined Graduate Level (Tier I) Examination 2014

Held On: 26.10.2014 (Morning Session)

DD 2014

Test Form No.
टेस्ट फॉर्म सं.
676 RL 8

Time Allowed : 2 Hours (For VH/Cerebral Palsy Candidates : 2 hrs. 40 min.)

Maximum Marks : 200

निर्धारित समय : 2 घंटे (दृष्टिबाधित/सेरिब्रल पाल्सी उम्मीदवारों के लिए : 2 घंटे 40 मिनट)

अधिकतम अंक : 200

Read the following instructions carefully before you begin to answer the questions. This Booklet contains questions in English as well as in Hindi.

प्रश्नों के उत्तर देने से पहले नीचे लिखे अनुदेशों को ध्यान से पढ़ लें। इस पुस्तिका में प्रश्न अंग्रेज़ी तथा हिन्दी दोनों में दिये गये हैं।

INSTRUCTIONS TO CANDIDATES

- This Booklet contains 200 questions in all comprising the following four parts :
Part A : General Intelligence & Reasoning (50 Questions)
Part B : General Awareness (50 Questions)
Part C : Quantitative Aptitude (50 Questions)
Part D : English Comprehension (50 Questions)
- In questions set bilingually in English and Hindi, in case of discrepancy, the English version will prevail.
- All questions are compulsory and carry equal marks.
- The paper carries negative marking. 0.25 marks will be deducted for each wrong answer.
- Before you start to answer the questions you must check up this Booklet and ensure that it contains all the pages (1-36) and see that no page is missing or repeated. If you find any defect in this Booklet, you must get it replaced immediately.
- You will be supplied the Answer-Sheet separately by the Invigilator. You must complete and code the details of Name, Roll Number, Ticket Number and Test Form Number on Side-I of the Answer-Sheet carefully. You must also put your signature and Left-Hand thumb impression on the Answer-Sheet at the prescribed place before you actually start answering the questions. These instructions must be fully complied with, failing which, your Answer-Sheet will not be evaluated and you will be awarded 'ZERO' mark. (VH/Cerebral Palsy candidates will have to ensure that these details are filled in by the scribe. However all VH/Cerebral Palsy candidates must put their Left-Hand thumb impression at the space provided in the Answer-Sheet. Those VH/Cerebral Palsy candidates who can sign should also put their signatures in addition to thumb impression.)
- Answers must be shown by completely blackening the corresponding ovals on Side-II of the Answer-Sheet against the relevant question number by Black/Blue Ball-point Pen only. Answers which are not shown by Black/Blue Ball-point Pen will not be awarded any mark.
- A machine will read the coded information in the OMR Answer-Sheet. In case the information is incomplete or different from the information given in the application form, such candidate will be awarded 'ZERO' mark.
- The Answer-Sheet must be handed over to the Invigilator before you leave the Examination Hall.
- Failure to comply with any of the above instructions will render a candidate liable to such action/penalty as may be deemed fit.
- The manner in which the different questions are to be answered has been explained at the back of this Booklet (Page No. 36), which you should read carefully before actually answering the questions.
- Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
- In lieu of Question Nos. 39 to 50 and 144 to 150 relating to figural portions, alternate questions have been provided to be attempted by VH/Cerebral Palsy candidates only.
- No rough work is to be done on the Answer-Sheet. Space for rough work has been provided below the questions.
- "Mobile phones and wireless communication devices are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature."

उम्मीदवारों के लिए अनुदेश

- इस पुस्तिका में कुल 200 प्रश्न हैं, जिनमें निम्नलिखित चार भाग शामिल हैं :
भाग क : सामान्य बुद्धिमत्ता एवं तर्कशक्ति (50 प्रश्न)
भाग ख : सामान्य जानकारी (50 प्रश्न)
भाग ग : परिमाणात्मक अभिरुचि (50 प्रश्न)
भाग घ : अंग्रेज़ी परिज्ञान (50 प्रश्न)
- अंग्रेज़ी और हिन्दी भाषा में तैयार किए गए द्विभाषी प्रश्नों में कोई विसंगति होने की स्थिति में अंग्रेज़ी विवरण मान्य होगा।
- सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं।
- प्रश्न-पत्र में नकारात्मक अंकन होगा। हर गलत उत्तर के लिए 0.25 अंक काटा जाएगा।
- प्रश्नों के उत्तर देने से पहले आप इस पुस्तिका की जाँच करके देख लें कि इसमें पूरे पृष्ठ (1-36) हैं तथा कोई पृष्ठ कम या दुबारा तो नहीं आ गया है। यदि आप इस पुस्तिका में कोई त्रुटि पाएँ, तो तत्काल इसके बदले दूसरी पुस्तिका ले लें।
- निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जाएगी। उत्तर-पत्रिका के Side-I में नियमावली के अनुसार ध्यानपूर्वक अपना नाम, रोल नम्बर, टिकट नम्बर और टेस्ट फॉर्म संख्या अवश्य लिखें। प्रश्नों के उत्तर वास्तव में शुरू करने से पहले उत्तर-पत्रिका पर निर्धारित स्थान में आप अपने हस्ताक्षर एवं बाएँ हाथ के अंगूठे का निशान भी अवश्य लगाएँ। उपर्युक्त अनुदेशों का पूरी तरह अनुपालन किया जाए, अन्यथा आपकी उत्तर-पत्रिका को जाँचा नहीं जाएगा और 'शून्य' अंक दिया जाएगा। (दृष्टिबाधित/सेरिब्रल पाल्सी वाले उम्मीदवार सुनिश्चित करें कि यह विवरण लिपिक द्वारा भरा जाए। परन्तु सभी दृष्टिबाधित/सेरिब्रल पाल्सी वाले उम्मीदवार उत्तर-पत्रिका में निर्धारित स्थान पर अपने बाएँ हाथ के अंगूठे का निशान अवश्य लगाएँ। जो दृष्टिबाधित/सेरिब्रल पाल्सी वाले उम्मीदवार हस्ताक्षर कर सकते हैं, वे अंगूठे के निशान के अलावा अपने हस्ताक्षर भी कर दें।)
- उत्तर-पत्रिका में सभी उत्तर Side-II में प्रश्न संख्या के सामने दिए गए सम्बन्धित अण्डाकार खानों को केवल काले/नीले बॉल-पॉइंट पेन से पूरी तरह काला करके दिखाएँ। जो अण्डाकार खाने काले/नीले बॉल-पॉइंट पेन से नहीं भरे जाएँ, उनके लिए कोई अंक नहीं दिया जाएगा।
- ओ.एम.आर. उत्तर-पत्रिका में भरी गई कूट सूचना को एक मशीन पढ़ेगी। यदि सूचना अपूर्ण है अथवा आवेदन प्रपत्र में दी गई सूचना से भिन्न है, तो ऐसे उम्मीदवार को 'शून्य' अंक दिया जाएगा।
- परीक्षा भवन छोड़ने से पहले उम्मीदवार को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए।
- ऊपर के अनुदेशों में से किसी एक का भी पालन न करने पर उम्मीदवार पर विवेकानुसार कार्यवाही की जा सकती है या दण्ड दिया जा सकता है।
- विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे (पृष्ठ संख्या 36) में छपे हुए निर्देशों में दे दी गई है; इसे आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें।
- प्रश्नों के उत्तर जितनी जल्दी हो सके तथा ध्यानपूर्वक दें। कुछ प्रश्न आसान तथा कुछ कठिन हैं। किसी एक प्रश्न पर बहुत अधिक समय न लगाएँ।
- आकृति से सम्बन्धित प्रश्न संख्या 39 से 50 तथा 144 से 150 के बदले में केवल दृष्टिबाधित/सेरिब्रल पाल्सी उम्मीदवारों द्वारा हल किए जाने के लिए वैकल्पिक प्रश्न दिए गए हैं।
- कोई रफ़ कार्य उत्तर-पत्रिका पर नहीं करना है। रफ़ कार्य के लिए स्थान प्रश्नों के नीचे दिया गया है।
- "परीक्षा हॉलों/कमरों में मोबाइल फ़ोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं। उम्मीदवारों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फ़ोन/किसी अन्य बेतार संचार साधन को स्विच ऑफ़ करके भी अपने पास न रखें। इस प्रावधान का अनुपालन न करने को परीक्षा में अनुचित उपायों का प्रयोग माना जाएगा और उनके विरुद्ध कार्रवाई की जाएगी, उनकी अभ्यर्थिता रद्द कर देने सहित।"

PART A : GENERAL INTELLIGENCE & REASONING

Directions : In questions no. 1 to 6, select the related word/letters/number from the given alternatives.

1. YTOJ : XSNI :: WRMH : ?
 (A) TOJE (B) RMHC
 (C) UPKF (D) YQLG
2. EIGK : EACY :: RVTY : ?
 (A) RNPL (B) RWUY
 (C) RMPL (D) RVSQ
3. 720 : 840 :: 60 : ?
 (A) 80 (B) 70
 (C) 74 (D) 76
4. 225 : 256 :: 289 : ?
 (A) 361 (B) 324
 (C) 432 (D) 234
5. Money : Misappropriation :: Writing : ?
 (A) Mistake (B) Plagiarism
 (C) Theft (D) Deception
6. Optimist : Cheerful :: Pessimist : ?
 (A) Selfish (B) Gloomy
 (C) Mean (D) Petty

Directions : In questions no. 7 to 11, select the one which is different from other three alternatives.

7. (A) 8 - 56 (B) 11 - 115
 (C) 10 - 90 (D) 9 - 72
8. (A) OPRS (B) BCDF
 (C) HIJL (D) TUVX
9. (A) Cape (B) Peninsula
 (C) Island (D) Bay
10. (A) Opponent (B) Foe
 (C) Ally (D) Rival
11. (A) 35 (B) 18
 (C) 9 (D) 27

12. Arrange the following words as per order in the English dictionary :
 1. Live 2. Litter
 3. Little 4. Literacy
 5. Living
 (A) 3, 2, 4, 5, 1 (B) 4, 3, 5, 2, 1
 (C) 4, 2, 3, 1, 5 (D) 3, 4, 2, 1, 5

13. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

ipi_upog_pig_pogi_g

- (A) upgii (B) puigp
 (C) giupi (D) iupgg
14. In the following series, how many KGN occur in such a way that 'G' is in the middle and 'K' and 'N' are adjacent to it on both sides ?

AKGLMNDQKQCSNGKTGKGNDZPUXGKE

- (A) 5 (B) 1
 (C) 2 (D) 3
15. Which one of the given responses would be a meaningful order of the following ?
 1. Seed 2. Plant
 3. Germination 4. Embryo
 5. Flower 6. Fruit
 (A) 1, 4, 3, 2, 5, 6 (B) 6, 5, 4, 3, 1, 2
 (C) 1, 5, 6, 4, 2, 3 (D) 1, 5, 3, 4, 2, 6

Directions : In questions no. 16 to 18, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

16. 7, 8, 18, 57, ?, 1165
 (A) 232 (B) 224
 (C) 228 (D) 174
17. 1, 0, 3, 2, 5, 6, ?, 12, 9, 20
 (A) 10 (B) 7
 (C) 8 (D) 9

18. SHG, RIF, QJE, PKD, ?
 (A) NLB (B) OLE
 (C) OLC (D) NME
19. From the given alternative words, select the word which can be formed using the letters of the given word.
 DEMOCRACY
 (A) MICRO (B) MARCY
 (C) DEMON (D) SECRECY
20. From the given alternative words, select the word which **cannot** be formed using the letters of the given word.
 INCARCERATION
 (A) TERRAIN (B) INACTION
 (C) CREATION (D) RELATION
21. Mr. Mani's age is 47 years and John's age is 13 years. In how many years will Mr. Mani's age be double of John's age ?
 (A) 21 years (B) 10 years
 (C) 15 years (D) 20 years
22. There are five friends — Sachin, Kamal, Mohan, Arun and Ram. Sachin is shorter than Kamal, but taller than Ram. Mohan is the tallest. Arun is a little shorter than Kamal and a little taller than Sachin. Who is the second tallest ?
 (A) Sachin (B) Kamal
 (C) Arun (D) Ram
23. A is the brother of B, B is the daughter of C and D is the father of A. Then how is C related to D ?
 (A) Wife
 (B) Granddaughter
 (C) Grandfather
 (D) Husband
24. If in a certain code 'CHARACTER' is written as '241612376' and 'CHILDREN' is written as '24859670', then how can 'HIRALAL' be written in the same code ?
 (A) 4861515 (B) 4685151
 (C) 4685511 (D) 4861551
25. Given below are capital letters in the first line and symbols in the second line. Symbols and letters are codes for each other. Choose the correct code for the given letters.
- | | | | | | | | | | | | | | | |
|---|---|---|---|---|-----|-----|---|---|---|---|---|---|---|---|
| A | C | E | G | H | I | O | N | P | R | T | S | B | D | M |
| + | - | ÷ | × | = | () | [] | ≠ | | # | | > | < | | |
- BEAST
 (A) | ÷ × # || (B) | ÷ + # ||
 (C) | ÷ + ≠ = (D) | ÷ + ≠ ||
26. In an examination, 78% of the total students who appeared were successful. If the total number of failures was 176 and 34% got first class, then how many students got first class ?
 (A) 112 (B) 210
 (C) 254 (D) 272
27. Some letters are given with numbers from 1 to 6. Select the sequence of numbers which arranges the letters into a meaningful word.
 1 2 3 4 5 6
 G I C O D N
 (A) 4, 3, 2, 6, 5, 1
 (B) 6, 5, 2, 3, 1, 4
 (C) 3, 4, 5, 2, 6, 1
 (D) 2, 1, 4, 3, 6, 5
28. If in a certain code, 'INTELLIGENCE' is written as 'ETNIGILLECNE', then how can 'MATHEMATICAL' be written in the same code ?
 (A) TAMMEHITALAC
 (B) HTAMTAMELACI
 (C) LACITAMEHTAM
 (D) AMHTMETACILA

29. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$5 * 3 = 125; 4 * 3 = 64; 8 * 2 = ?$$

- (A) 16 (B) 32
(C) 64 (D) 28

30. Select the correct combination of mathematical signs to replace * signs and to balance the following equation :

$$(8 * 7 * 6) * 5 * 10$$

- (A) $- \times \div +$ (B) $+ - \div \times$
(C) $\times + = \div$ (D) $\times - \div =$

31. If '>' stands for 'division', '∨' stands for 'multiplication', '−' stands for 'greater than', '×' stands for 'less than', '<' stands for 'addition', '^' stands for 'subtraction', '+' stands for 'equal to', then which of the following equations is correct ?

- (A) $4 \wedge 6 < 4 < 4 + 16$
(B) $12 \wedge 3 < 5 < 4 + 12$
(C) $11 \wedge 12 < 5 < 4 + 12$
(D) $10 \wedge 3 < 5 < 4 + 16$

Directions : In questions no. 32 to 34, select the missing number from the given responses.

32.

2	3	4
3	4	5
13	?	41

- (A) 46 (B) 23
(C) 25 (D) 31

33.

9	7	4
5	4	3
6	8	?
49	52	25

- (A) 7 (B) 4
(C) 5 (D) 6

34.

4	10	22
8	5	14
10	3	?

- (A) 14 (B) 11
(C) 12 (D) 13

35. Vijay travelled 12 km Southward, then turned right and travelled 10 km, then turned right and travelled 12 km. How far was Vijay from the starting point ?

- (A) 44 km (B) 12 km
(C) 10 km (D) 22 km

36. Some statements are given followed by two conclusions I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You are to decide which of the given conclusions can definitely be drawn from the given statements. Indicate your answer.

Statements :

All files are papers. Some papers are books.
Some books are journals.

Conclusions :

- I. All files are journals.
II. All books are not journals.
(A) Neither conclusion I nor II follows
(B) Only conclusion I follows
(C) Only conclusion II follows
(D) Both conclusions I and II follow

37. Pratap starts from school and walks 7 km towards east. He takes a left and walks 4 km, then takes a right and walks 2 km, again takes a right and walks 3 km. Which direction is he facing now ?

- (A) North (B) East
(C) West (D) South

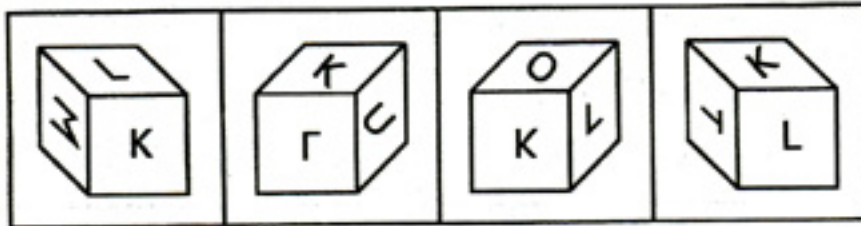
38. Fertiliser consumption in India in 1984 – 85 was 8.21 MT. By 1990 it was 13.75 MT and by 2000 it was expected to reach 16 MT. What conclusion can you draw from this data ?
- (A) There is a steady increase of the fertiliser consumption.
 (B) Fertiliser consumption is steady.
 (C) There is a steady decrease in the fertiliser consumption.
 (D) Fertiliser consumption does not show any trend.

39. Choose the cube which will be formed on folding the given question figure.

Question figure :

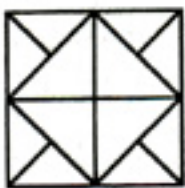


Answer figures :



- (A) (B) (C) (D)

40. How many triangles are there in the given figure ?



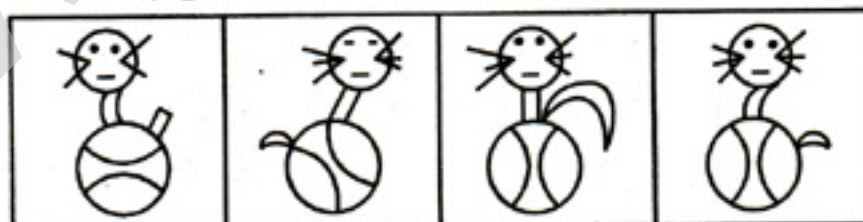
- (A) 20 or more (B) 12
 (C) 16 (D) 18

41. Among the four answer figures, which figure can be formed from the cut-pieces given below in the question figure ?

Question figure :

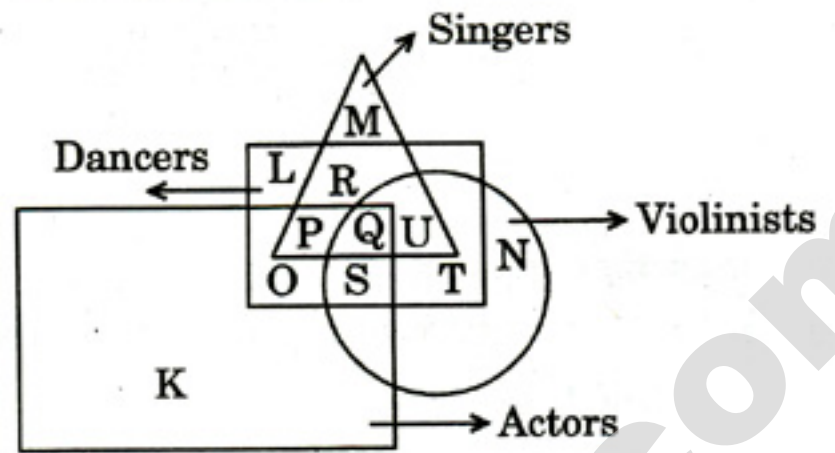


Answer figures :



- (A) (B) (C) (D)

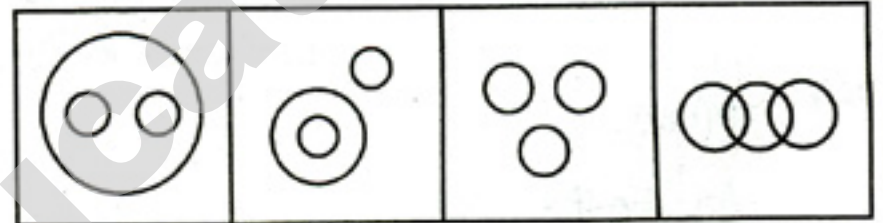
42. In the given figure, which letter represents those Actors who are also Dancers, Singers as well as Violinists ?



- (A) Q (B) P
 (C) U (D) S

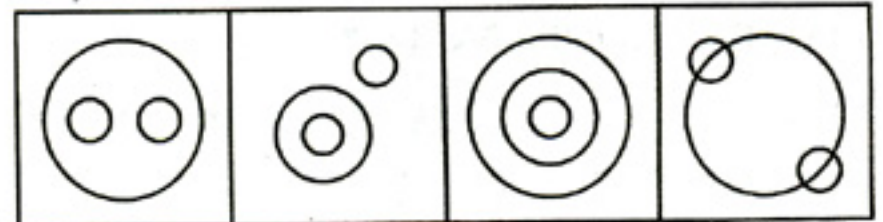
Directions : In questions no. 43 and 44, identify the diagram that best represents the relationship among the classes given below.

43. Travellers, Train, Bus



- (A) (B) (C) (D)

44. Factory, Machinery, Product



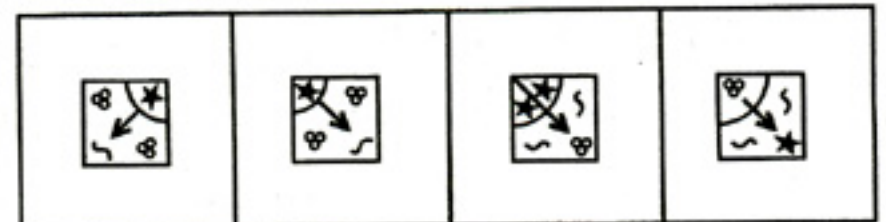
- (A) (B) (C) (D)

Directions : In questions no. 45 and 46, which answer figure will complete the pattern in the question figure ?

45. Question figure :



Answer figures :

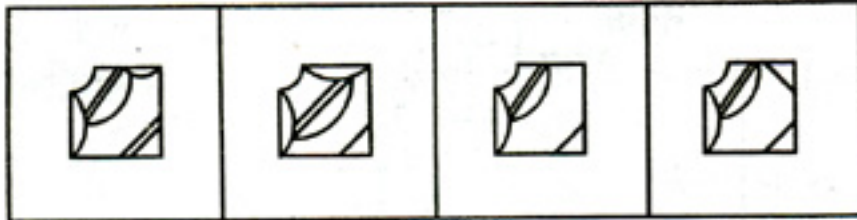


- (A) (B) (C) (D)

46. Question figure :



Answer figures :



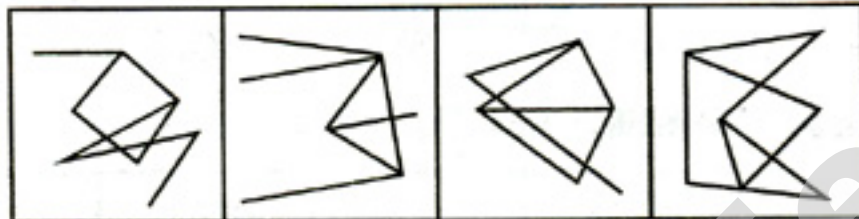
(A) (B) (C) (D)

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

Question figure :



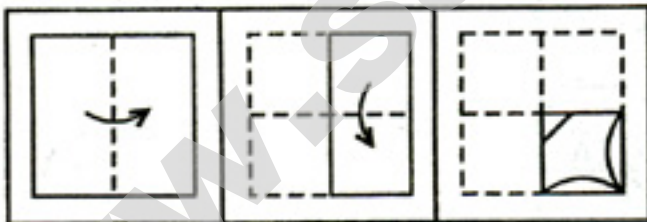
Answer figures :



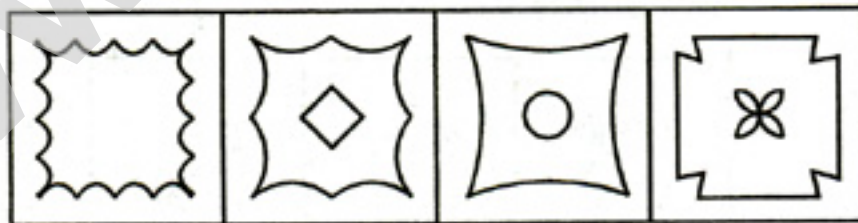
(A) (B) (C) (D)

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

Question figures :



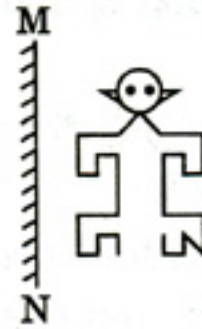
Answer figures :



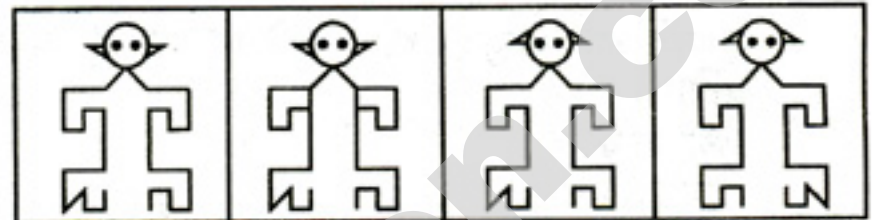
(A) (B) (C) (D)

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

Question figure :



Answer figures :



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

50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'E' can be represented by 02, 43, 68 etc., and 'N' can be represented by 21, 65, 95 etc. Similarly, you have to identify the number set for the word given below :

COST

Matrix I

	0	1	2	3	4
0	G	V	E	A	C
1	R	O	N	G	S
2	M	N	E	S	I
3	O	T	I	T	A
4	N	S	N	E	P

Matrix II

	5	6	7	8	9
5	R	E	O	N	G
6	N	P	V	E	S
7	M	T	I	O	N
8	E	A	I	C	O
9	N	T	A	R	S

(A) 88, 57, 69, 32

(B) 04, 11, 41, 76

(C) 88, 78, 99, 89

(D) 04, 30, 31, 41

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39. A, B, C, D and E are sitting on a bench. A is sitting next to B; C is sitting next to D; D is not sitting with E, who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position is A sitting ?
- (A) Between C and E
(B) Between B and D
(C) Between B and C
(D) Between E and D
40. 'Artist' is related to 'Painting' in the same way as 'Senator' is related to
- (A) Constituent
(B) Attorney
(C) Law
(D) Politician
41. Select the related number from the given alternatives.
- MANGO : 50 :: CHILLI : ?
- (A) 55 (B) 18
(C) 44 (D) 53
42. Find the *wrong* number in the given number series.
- 4, 8, 5, 9, 7, 11, 12, 14, 14
- (A) 14 (B) 8
(C) 9 (D) 12
43. Which answer word forms a necessary part of the given word ?
- 'Knowledge'
- (A) Learning (B) School
(C) Teacher (D) Textbook
44. If REASON is coded as 5 and BELIEVED as 7, what is the code for GOVERNMENT ?
- (A) 10 (B) 6
(C) 8 (D) 9
45. In the following list of English alphabets, one alphabet has not been used. Identify the same.
- ENUNGFJRJVLPOWKJEN
UGFEBARMTPIDOGHOZJ
QCRVPOLJFXXYTHIQEM
- (A) G (B) P
(C) S (D) T
46. A class of boys is standing in a long queue. Rahim is standing at 29th place in order from both ends. How many boys are there in the class ?
- (A) 38 (B) 57
(C) 47 (D) 58
47. If February 29th falls on a Monday, what would be the 11th day of the month ?
- (A) Thursday (B) Monday
(C) Wednesday (D) Saturday
48. How many 8s are there in the following sequence which are immediately preceded by 6 but not immediately followed by 5 ?
- 6, 8, 5, 7, 8, 5, 4, 3, 6, 8, 1, 9, 8, 5, 4, 6, 8, 2, 9, 6, 8, 1, 3, 6, 8, 5, 3, 6
- (A) Four (B) One
(C) Two (D) Three
49. Ram, Mahesh and Mohan play badminton; Mahesh, Ramesh and Pramod play tennis; and Mahesh, Ramesh and Ram play chess. Who plays chess and badminton but not tennis ?
- (A) Ramesh (B) Ram
(C) Mahesh (D) Pramod
50. There are two troughs 'A' and 'B'. 'A' contains 30 cups of water and 'B' contains 20 cups of water. Each time a cup of water is removed both from 'A' and from 'B', one cup of water is added to trough 'A'. How many cups of water will be there in the trough 'A' when the trough 'B' gets emptied ?
- (A) 00 (B) 20
(C) 10 (D) 30

PART B : GENERAL AWARENESS

51. Name the Italian traveller who visited the Vijayanagar Empire in 1420 A.D.
(A) Edoardo Barbosa
(B) Nicolo de Conti
(C) Abdur Razzag
(D) Domingos Paes
52. Which one of the following dynasties established an independent rule in Bijapur ?
(A) Nizam Shahi (B) Qutb Shahi
(C) Adil Shahi (D) Imad Shahi
53. The word 'Oikonomia' means
(A) Individual Management
(B) Political Management
(C) Fiscal Management
(D) Household Management
54. The word 'Economics' is taken from which language ?
(A) Greek
(B) German
(C) English
(D) French
55. The famous economist Thomas Robert Malthus, in his views regarding population, is
(A) pessimistic
(B) partly optimistic and partly pessimistic
(C) optimistic
(D) None of the above
56. Non-insurable or uncertainty risk is
(A) fire
(B) flood
(C) change in the price of that commodity
(D) change in fashion
57. 'Gold Bullion Standard' refers to
(A) gold as the measure of value
(B) free coinage of gold
(C) no restriction on import and export of gold
(D) gold coin as an unlimited legal tender
58. Laws made by the executive are called
(A) Preferred Legislation
(B) Rule of Law
(C) Administrative Law
(D) Delegated Legislation
59. Who regarded the second chamber as needless, useless and worse ?
(A) MacIver (B) Bentham
(C) Seeley (D) Laski
60. The tenure of the Swiss President is
(A) 2 years (B) 4 years
(C) 1 year (D) 3 years
61. Which of the following is a merit of the Presidential form of Government ?
(A) It safeguards the liberty of the people
(B) It ensures speedy execution of policies
(C) The fixed tenure of the executive gives it a great sense of stability
(D) All of these
62. The two chambers of the Swiss Federal Assembly are called
(A) Senate and House of Representatives
(B) House of Lords and House of Commons
(C) National Council and Council of States
(D) None of the above

63. The Sufi movement originally started from
(A) Delhi
(B) Lahore
(C) Kabul
(D) Persia
64. Humayun was driven out of Hindustan in 1540 A.D. after the battle of
(A) Dourah (B) Surajgarh
(C) Kanauj (D) Chausa
65. Poly metallic nodules (also called manganese nodules) are found in concentrations
(A) in deep ocean beds
(B) on lake beds
(C) in beach sands
(D) on continental shelves
66. Spot the odd item in the following :
(A) Delta (B) Bolson
(C) Ox-bow lake (D) Meander
67. Kandla port is located at
(A) Gulf of Kutch
(B) Kori Creek
(C) Gulf of Khambat
(D) None of the above
68. Who among the following enjoyed the patronage of Sultans from Balban to Ghiyas-ud-din Tughlaq ?
(A) Badauni
(B) Zia-ud-din Barani
(C) Amir Khusrow
(D) Ibn Batutah
69. Nag Tiba and Mahabharat ranges are included in
(A) Trans-Himalayas
(B) Greater Himalayas
(C) Lesser Himalayas
(D) Sub-Himalayas
70. Pink mould is the common name for
(A) *Rhizopus* (B) *Neurospora*
(C) *Mucor* (D) *Aspergillus*
71. The sleeping sickness is caused by
(A) *Neisseria* (B) *Entamoeba*
(C) *Trypanosoma* (D) *Escherichia*
72. Haemolymph is observed in
(A) Echinoderms
(B) *Ascaris*
(C) Annelids
(D) Arthropods
73. The virus without capsid but only with nucleic acids is called
(A) Nucleoid (B) Prion
(C) Virion (D) Capsomere
74. The immunity caused by the B-lymphocytes is called
(A) Acquired immunity
(B) Cellular immunity
(C) Humoral immunity
(D) Sterile immunity
75. Which of the following forests grows in waterlogged areas ?
(A) Evergreen (B) Deciduous
(C) Coniferous (D) Mangrove

76. Flow of blood in dorsal blood vessel of Earthworm is
(A) Downward (B) Backward
(C) Forward (D) Sideward
77. Which of the following is biodegradable?
(A) Silver foil
(B) Iron nails
(C) Plastic mugs
(D) Leather belts
78. Fungi that grow on bark are said to be
(A) Saxicolous (B) Coprophilous
(C) Corticolous (D) Xylophilous
79. To an astronaut in space the sky will appear to be
(A) Red (B) Blue
(C) Black (D) Violet
80. On a rainy day, small oily films on water show brilliant colours. This is due to
(A) Dispersion (B) Refraction
(C) Polarisation (D) Scattering
81. Natural Radioactivity was discovered by
(A) Marie Curie
(B) Henri Becquerel
(C) Enrico Fermi
(D) Rutherford
82. Rainbow formation is due to
(A) Diffusion of sunlight through water droplets
(B) Ionisation of water droplets
(C) Refraction and reflection of sunlight by water droplets
(D) Absorption of sunlight by water droplets
83. CAD stands for
(A) Computer Aided Decode
(B) Computer Automatic Decode
(C) Computer Aided Design
(D) Computer Automatic Design
84. Unix Operating System is generally known as
(A) General Application
(B) Single User Operating System
(C) Single User Application Program
(D) Multi User Operating System
85. Combustion is a
(A) Biological process
(B) Physical process
(C) Chemical process
(D) Physical and chemical process
86. Which of the following is *not* a form of carbon?
(A) Hematite (B) Graphite
(C) Charcoal (D) Soot
87. What is Dry Ice?
(A) Liquid nitrogen
(B) Ice cubes and saw dust
(C) Ice cubes and salt
(D) Solid carbon dioxide
88. The gas commonly used in advertisement sign-boards and decorative lights is
(A) Chlorine (B) Hydrogen
(C) Neon (D) Nitrogen

89. Who is the Prime Minister of Australia ?
(A) Julia Gillard
(B) Kevin Rudd
(C) Tony Abbott
(D) None of these
90. Which is the parent country of Mobile giant "Nokia" ?
(A) Sweden (B) Spain
(C) Germany (D) Finland
91. Where was the Joint G20 Finance and Labour Ministers Meeting held on 19 July, 2013 ?
(A) Paris (B) Moscow
(C) London (D) New York
92. Who holds the world record as the youngest person to climb Mount Everest ?
(A) Phu Dorjee
(B) Bachendri Pal
(C) Dicky Dolma
(D) Santosh Yadav
93. Hyperplasia means
(A) An increase in size of a cell
(B) Excessive motility of muscle
(C) Voracious eating
(D) Abnormal increase in number of cells
94. The part of root involved in water absorption is
(A) zone of root cap
(B) zone of cell division
(C) zone of root hairs
(D) zone of elongation
95. Who took oath as the President of Iran on 4 August, 2013 ?
(A) Mohammad Bashir Ahmad
(B) Mohammad Bagher Ghalibaf
(C) Mahmoud Ahmadinejad
(D) Hassan Rouhani
96. Who was sworn in as the United States Ambassador to the United Nations by Joe Biden on 1 August, 2013 ?
(A) Samantha Power
(B) Zalmay Khalilzad
(C) Susan Rice
(D) Rosemary DiCarlo
97. Who won the Rogers Cup Women's Singles in Lawn Tennis in 2013 ?
(A) Agnieszka Radwanska
(B) Maria Sharapova
(C) Serena Williams
(D) Victoria Azarenka
98. Who was appointed as the Chairperson of the National School of Drama on 19 August, 2013 ?
(A) Sasikumar Venkat (B) Amal Allana
(C) Ratan Thiyam (D) Adly Mansour
99. To which channel did the International Olympic Committee sell the broadcasting rights for 2014 and 2016 Olympics ?
(A) Zee Sports (B) STAR India
(C) Doordarshan (D) Set Max
100. Which is the largest man-made lake ?
(A) Wullar (B) Govind Sagar
(C) Rana Pratap Sagar (D) Baikal

PART C : QUANTITATIVE APTITUDE

101. Some bricks are arranged in an area measuring 20 cu. m. If the length, breadth and height of each brick is 25 cm, 12.5 cm and 8 cm respectively, then in that pile the number of bricks are (suppose there is no gap in between two bricks)
- (A) 8,000 (B) 4,000
(C) 10,000 (D) 6,000
102. A parallelogram has sides 60 m and 40 m and one of its diagonals is 80 m long. Its area is
- (A) $600\sqrt{15} \text{ m}^2$ (B) $400\sqrt{15} \text{ m}^2$
(C) $450\sqrt{15} \text{ m}^2$ (D) $500\sqrt{15} \text{ m}^2$
103. The cost price of a table is ₹ 3,200. A merchant wants to make 25% profit by selling it. At the time of sale he declares a discount of 20% on the marked price. The marked price (in ₹) is
- (A) 6,000 (B) 4,000
(C) 4,500 (D) 5,000
104. A shopkeeper allows a discount of 12.5% on the marked price of a certain article and makes a profit of 20%. If the article costs the shopkeeper ₹ 210, then the marked price of the article will be
- (A) ₹ 350 (B) ₹ 386
(C) ₹ 288 (D) ₹ 387
105. A businessman allows a discount of 10% on the marked price. What percent above the cost price must he mark his goods to make a profit of 17%?
- (A) 18% (B) 30%
(C) 20% (D) 27%
106. A piece of cloth measured with a metre stick, one cm short, is 100 metres long. Reckoning the metre stick as being right, the actual length of the cloth (in cm) is
- (A) 9,900 (B) 8,000
(C) 6,100 (D) 3,900
107. Solve for x : $3^x - 3^{x-1} = 486$.
- (A) 9 (B) 5
(C) 6 (D) 7
108. A can do a piece of work in 4 days and B can do it in 12 days. In how many days will they finish the work, both working together?
- (A) 6 days (B) 2 days
(C) 3 days (D) 4 days
109. A can do $\frac{1}{4}$ of a work in 10 days. B can do $\frac{1}{3}$ of the work in 20 days. In how many days can both A and B together do the work?
- (A) 32 days (B) 24 days
(C) 25 days (D) 30 days
110. A and B can together finish a work in 30 days. They worked at it for 20 days and then B left. The remaining work was done by A alone in 20 more days. A alone can finish the work in
- (A) 54 days (B) 48 days
(C) 50 days (D) 60 days
111. A circular wire of diameter 112 cm is cut and bent in the form of a rectangle whose sides are in the ratio of 9 : 7. The small side of the rectangle is
- (A) 97 cm (B) 67 cm
(C) 87 cm (D) 77 cm

112. In an election, a candidate who gets 84% of the votes is elected by a majority of 476 votes. What is the total number of votes polled ?
 (A) 810 (B) 600
 (C) 700 (D) 900
113. A speed of 45 km per hour is the same as
 (A) 13 m/sec (B) 15 m/sec
 (C) 12 m/sec (D) 12.5 m/sec
114. A train travelling at a speed of 55 km/hr., travels from place X to place Y in 4 hours. If its speed is increased by 5 km/hr., then the time of journey is reduced by
 (A) 35 minutes (B) 20 minutes
 (C) 30 minutes (D) 25 minutes
115. In what time will ₹ 8,000, at 3% per annum, produce the same interest as ₹ 6,000 does in 5 years at 4% simple interest ?
 (A) 6 years (B) 3 years
 (C) 4 years (D) 5 years
116. The reciprocal of $x + \frac{1}{x}$ is
 (A) $\frac{x}{x+1}$ (B) $x - \frac{1}{x}$
 (C) $\frac{1}{x} + x$ (D) $\frac{x}{x^2 + 1}$
117. What is the value of $\frac{2.75 \times 2.75 \times 2.75 - 2.25 \times 2.25 \times 2.25}{2.75 \times 2.75 + 2.75 \times 2.25 + 2.25 \times 2.25}$?
 (A) $\frac{3}{2}$ (B) 1
 (C) $\frac{1}{2}$ (D) 3
118. The value of $1 - \frac{a}{1 - \frac{1}{1 + \frac{a}{1-a}}}$ is
 (A) $1 - a$ (B) 1
 (C) 0 (D) a
119. The value of $\frac{(243)^{\frac{n}{5}} \times 3^{2n+1}}{9^n \times 3^{n-1}}$ is
 (A) 9 (B) 6
 (C) 12 (D) 3
120. A man having height 169 cm is standing near a pole. He casts a shadow 130 cm long. What is the length of the pole if it gives a shadow 420 cm long ?
 (A) 589 cm (B) 323 cm
 (C) 546 cm (D) 550 cm
121. ₹ 555 was to be divided among A, B and C in the ratio of $\frac{1}{4} : \frac{1}{5} : \frac{1}{6}$. But by mistake it was divided in the ratio of 4 : 5 : 6. The amount in excess received by C was
 (A) ₹ 75 (B) ₹ 22
 (C) ₹ 52 (D) ₹ 72
122. The average of 50 numbers is 38. If two numbers, namely 45 and 55 are discarded, the average of the remaining numbers is
 (A) 37.9 (B) 36.5
 (C) 37.0 (D) 37.5
123. The average salary, per head, of all the workers of an institution is ₹ 60. The average salary of 12 officers is ₹ 400; the average salary, per head, of the rest is ₹ 56. The total number of workers in the institution is
 (A) 1035 (B) 1020
 (C) 1032 (D) 1030
124. Charging 30% above its production cost a radio maker puts a label of ₹ 286 on a radio as its price. But at the time of selling it, he allows 10% discount on the labelled price. What will his gain be ?
 (A) ₹ 254.40 (B) ₹ 198
 (C) ₹ 37.40 (D) ₹ 257.40

125. If $x \sin^2 60^\circ - \frac{3}{2} \sec 60^\circ \tan^2 30^\circ + \frac{4}{5} \sin^2 45^\circ \tan^2 60^\circ = 0$

then x is

- (A) -4 (B) $-\frac{4}{15}$
(C) -2 (D) $-\frac{1}{15}$

126. If ΔABC is right-angled at B, $AB = 6$ units, $\angle C = 30^\circ$, then AC is equal to

- (A) 15 units (B) 8 units
(C) 10 units (D) 12 units

127. If $7 \sin \alpha = 24 \cos \alpha$; $0 < \alpha < \pi/2$, then the value of $14 \tan \alpha - 75 \cos \alpha - 7 \sec \alpha$ is equal to

- (A) 4 (B) 1
(C) 2 (D) 3

128. If $x(x-3) = -1$, then the value of $x^3(x^3-18)$ is

- (A) 2 (B) 1
(C) 0 (D) -1

129. The value of $(1001)^3$ is

- (A) 100303001 (B) 100300301
(C) 103003001 (D) 1003003001

130. If $a(2 + \sqrt{3}) = b(2 - \sqrt{3}) = 1$, then the value of $\frac{1}{a^2+1} + \frac{1}{b^2+1}$ is

- (A) 1 (B) 4
(C) 9 (D) -5

131. If a, b, c are positive and $a + b + c = 1$, then the least value of $\frac{1}{a} + \frac{1}{b} + \frac{1}{c}$ is

- (A) 5 (B) 3
(C) 1 (D) 9

132. In a ΔABC , $\angle A + \angle B = 118^\circ$, $\angle A + \angle C = 96^\circ$. Find the value of $\angle A$.

- (A) 40° (B) 30°
(C) 34° (D) 36°

133. In ΔABC , if $AD \perp BC$, then $AB^2 + CD^2$ is equal to

- (A) $2AC^2$ (B) $BD^2 + AC^2$
(C) $2BD^2$ (D) None of these

134. ABC is an equilateral triangle and CD is the internal bisector of $\angle C$. If DC is produced to E such that $AC = CE$, then $\angle CAE$ is equal to

- (A) 75° (B) 30°
(C) 15° (D) 45°

135. $\angle ACB$ is an angle in the semicircle of diameter $AB = 5$ cm and $AC : BC = 3 : 4$. The area of the triangle ABC is

- (A) 4 sq. cm (B) 12 sq. cm
(C) 6 sq. cm (D) $6\sqrt{2}$ sq. cm

136. A, B and C are three points on a circle such that the angles subtended by the chords AB and AC at the centre O are 90° and 110° respectively. Further suppose that the centre 'O' lies in the interior of $\angle BAC$. Then $\angle BAC$ is

- (A) 80° (B) 160°
(C) 20° (D) 40°

137. If the lengths of the sides AB, BC and CA of a triangle ABC are 10 cm, 8 cm and 6 cm respectively and if M is the mid-point of BC and $MN \parallel AB$ to cut AC at N, then the area of the trapezium ABMN is equal to

- (A) 20 sq. cm (B) 12 sq. cm
(C) 16 sq. cm (D) 18 sq. cm

138. From a point 20 m away from the foot of a tower, the angle of elevation of the top of the tower is 30° . The height of the tower is

- (A) $20\sqrt{3}$ m (B) $\frac{10}{\sqrt{3}}$ m
 (C) $\frac{20}{\sqrt{3}}$ m (D) $10\sqrt{3}$ m

139. If $29 \tan \theta = 31$, then the value of $\frac{1 + 2 \sin \theta \cos \theta}{1 - 2 \sin \theta \cos \theta}$ is equal to

- (A) 900 (B) 540
 (C) 490 (D) 810

140. The categories of qualitative variables are represented by bars where the height of each bar is

- (A) Class relative frequency
 (B) Class percentage
 (C) Class frequency
 (D) All of the above

141. A type of graph in which a circle is divided into sectors such that each sector represents a proportion of the whole is a

- (A) Stem and leaf chart
 (B) Bar graph
 (C) Pie chart
 (D) Line graph

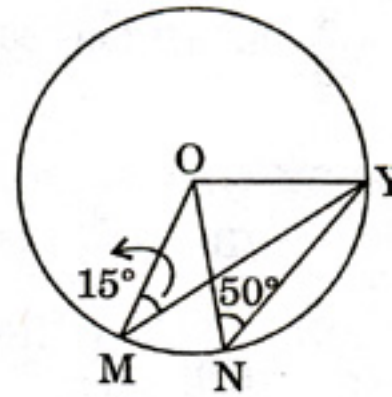
142. The value of x , which satisfies the equation $2 \operatorname{cosec}^2 30^\circ + x \sin^2 60^\circ - \frac{3}{4} \tan^2 30^\circ = 10$ is

- (A) 3 (B) 0
 (C) 1 (D) 2

143. If $2 \sin \theta + \cos \theta = \frac{7}{3}$, then the value of $(\tan^2 \theta - \sec^2 \theta)$ is

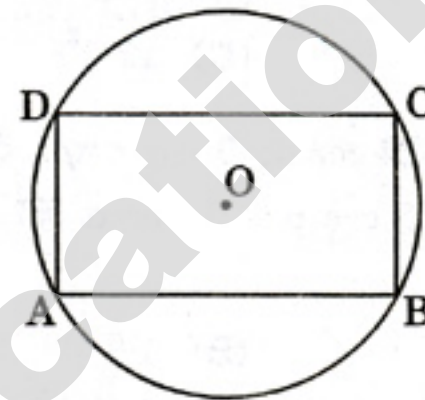
- (A) -1 (B) $\frac{3}{7}$
 (C) $\frac{7}{3}$ (D) 0

144. In the given figure, $\angle ONY = 50^\circ$ and $\angle OMY = 15^\circ$. Then the value of the $\angle MON$ is



- (A) 40° (B) 20°
 (C) 70° (D) 30°

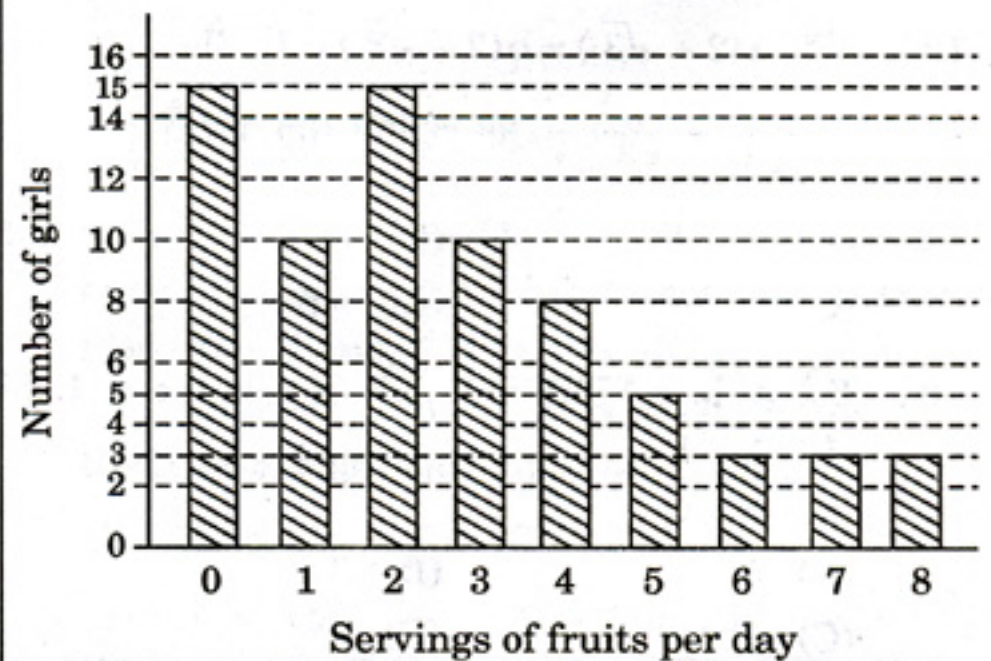
145. In a cyclic quadrilateral $\angle A + \angle C = \angle B + \angle D = ?$



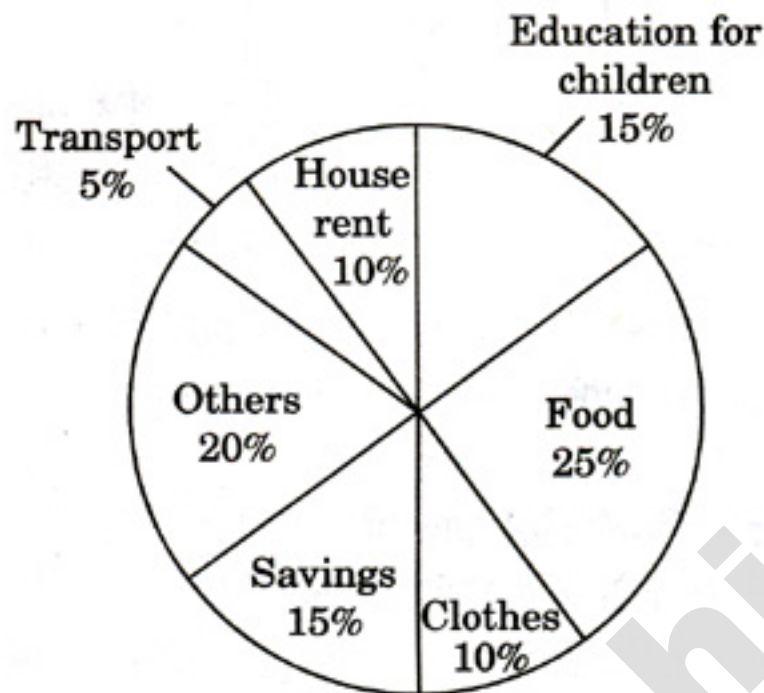
- (A) 360° (B) 90°
 (C) 180° (D) 270°

Directions : The distribution of fruit consumption in a sample of 72 seventeen-year-old girls is given in the graph below. Study the graph and answer questions no. 146 to 148 based on this.

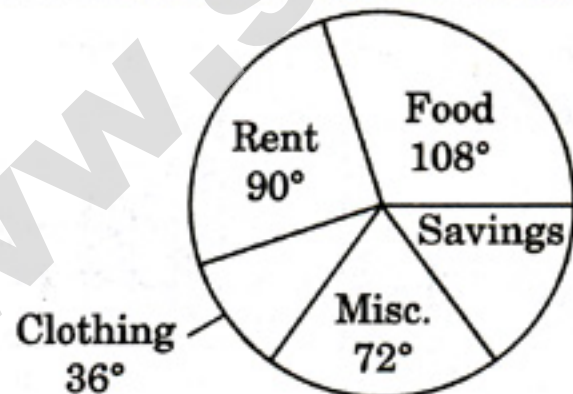
Distribution of fruit consumption



146. How many of these girls ate more than two servings but less than six servings per day?
 (A) 18 (B) 23
 (C) 38 (D) 26
147. What percent of these girls ate six or more servings per day?
 (A) 13% (B) 10%
 (C) 11% (D) 12.5%
148. How many of these girls ate fewer than two servings per day?
 (A) 25 (B) 40
 (C) 15 (D) None of these
149. The pie-chart gives the expenditure (in percentage) on various items and savings of a family during a month. Monthly savings of the family is ₹ 3,000. On which item is the expenditure maximum and how much is it?



- (A) Food, ₹ 3,000 (B) Others, ₹ 5,000
 (C) Food, ₹ 5,000 (D) Others, ₹ 2,000
150. The following pie-chart shows the monthly expenditure of a family on food, clothing, rent, miscellaneous expenses and savings. What is the central angle for savings?



- (A) 56° (B) 50°
 (C) 52° (D) 54°

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144. Find the least number to be subtracted from 16800 to make it a perfect square.
 (A) 159 (B) 249
 (C) 219 (D) 169
145. Simplify : $9 - [8 - \{7 - (6 - 1)\}]$
 (A) 6 (B) 1
 (C) 7 (D) 3
146. If $x + \frac{1}{x-2} = 5$, then the value of $(x-2)^2 + \frac{1}{(x-2)^2}$ is
 (A) 11 (B) 7
 (C) 9 (D) 23
147. A train travels from Dehradun to Delhi at a speed of 40 km/hr and returns at 60 km/hr. Find the average speed for the whole journey.
 (A) 40 km/hr (B) 50 km/hr
 (C) 60 km/hr (D) 48 km/hr
148. In ΔABC , $\angle A = 115^\circ$, $\angle C = 20^\circ$, $AD \perp BC$. If $BD = x$ cm, then the length of AD is
 (A) $3x$ cm (B) $\frac{x}{2}$ cm
 (C) x cm (D) $2x$ cm
149. If $a + b + c = 0$ and $a^3 + b^3 + c^3 = 3abc$, then $\frac{(b+c)^2}{3bc} + \frac{(c+a)^2}{3ac} + \frac{(a+b)^2}{3ab}$ is
 (A) $a^2 + b^2 + c^2$ (B) 1
 (C) 3 (D) 0
150. If Suman buys an article at 75% of its value and sells it for 20% more than its value, his profit will be
 (A) 75% (B) 45%
 (C) 60% (D) 20%

PART D : ENGLISH COMPREHENSION

Directions : In questions no. 151 to 155, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error and blacken the oval (●) corresponding to the appropriate letter (A, B, C). If a sentence is free from error, blacken the oval corresponding to (D) in the Answer Sheet.

151. I wish to heartily / congratulate you for / your astounding success. / No error.

- (A) (B) (C) (D)

152. The visitor took the vacant seat / next from mine — / one of the many huge sofas in the room. /

- (A) (B) (C)

No error.

- (D)

153. He was / a learnt man among lords, / and a lord among learned men. / No error.

- (A) (B) (C) (D)

154. With our great annoyance / we found the ground / filled with broken glasses. / No error.

- (A) (B) (C) (D)

155. The new device / aims at eliminating / the risk of short-circuiting. / No error.

- (A) (B) (C) (D)

Directions : In questions no. 156 to 160, 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 and indicate it by blackening the appropriate oval (●) in the Answer Sheet.

156. The sun is shining brightly, please _____ the light.

- (A) put on (B) put off
(C) put out (D) take off

157. This practice was brought _____ to prevent certain abuses.

- (A) off (B) about
(C) in (D) down

158. This package was supposed _____ yesterday.

- (A) not to be delivered
(B) to have been delivered
(C) to deliver
(D) to be delivering

159. Her true feelings manifested themselves in her sarcastic remarks, only then was her _____ revealed.

- (A) charm (B) sweetness
(C) bitterness (D) sarcasm

160. The book provides an overview of European wines that should prove inviting to both the virtual _____ and the experienced connoisseur.

- (A) glutton (B) prodigal
(C) novice (D) zealot

Directions : In questions no. 161 to 163, out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

161. Pinnacle

- (A) Heart (B) Summit
(C) Pit (D) Capsule

162. Garble

- (A) Hide (B) Communicate
(C) Explain (D) Confuse

163. Brutalize

- (A) Ill-treat (B) Devise
(C) Strike (D) Stir

Directions : In questions no. 164 to 166, choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

164. Denounce
 (A) Confirm (B) Grant
 (C) Praise (D) Signify
165. Seamy
 (A) Pure (B) Unpleasant
 (C) Sincere (D) Honest
166. Cease
 (A) Initiate (B) Confront
 (C) Confiscate (D) Abandon

Directions : In questions no. 167 to 171, four alternatives are given for the Idiom/Phrase underlined in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase and mark it in the Answer Sheet.

167. I'll be able to do my job very well when I know the ropes.
 (A) work in silence
 (B) learn the procedures
 (C) gain confidence ✓
 (D) become bolder
168. The secretary's thoughtless remark added fuel to the fire.
 (A) worsened the difficult situation ✓
 (B) helped in improving the situation
 (C) prevented the situation
 (D) added humour to the situation
169. He could not get money from his master because he rubbed him up the wrong way.
 (A) asked him to speed up
 (B) suggested a wrong method
 (C) advised him to be strict
 (D) irked or irritated him ✓
170. Ask Mr. Das. He can give you all the news you need : he is always in the swim.
 (A) at the swimming pool
 (B) in search of news
 (C) well-informed and up-to-date
 (D) giving news to others
171. You have been trying to solve this puzzle for a long time, be careful so that you avoid barking up the wrong tree.
 (A) trying to find something at a wrong place
 (B) keep working constantly
 (C) climbing the wrong tree
 (D) trying to solve problems

Directions : In questions no. 172 to 181, a sentence/a part of the sentence is underlined. Below are given alternatives to the underlined part at (A), (B), (C) which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (D). Mark your answer in the Answer Sheet.

172. The toys he bought for Suzy are too good to be cheap.
 (A) are so good that to be cheap
 (B) were so good to be cheap
 (C) are so much good to be cheap
 (D) No improvement ✓
173. I did one mistake in the dictation test today.
 (A) I did a mistake in
 (B) I did a mistake at
 (C) I made a mistake in
 (D) No improvement
174. John has been detained at a meeting.
 (A) on a meeting
 (B) in meeting
 (C) by the meeting ✓
 (D) No improvement
175. The butler was as devoted as a faithful dog.
 (A) a faithful pet
 (B) a faithful friend
 (C) a faithful cat
 (D) No improvement
176. The government representative furnished the reporters all details.
 (A) furnished reporters all details
 (B) furnished the reporters with all the details
 (C) provided the reporters all details
 (D) No improvement
177. It was raining so heavily yesterday that I could not move out for my usual walk.
 (A) I could not move for my usual walk
 (B) I could not go to my usual walk
 (C) I could not go out for my usual walk ✓
 (D) No improvement
178. Ram filled ink into his pen before leaving for school.
 (A) filled his pen with ink ✓
 (B) filled ink on his pen
 (C) filled ink in his pen
 (D) No improvement

179. There is an error in grammar in this sentence.
 (A) a grammar error
 (B) a grammatical error
 (C) a written error
 (D) No improvement

180. To his astonishment and admiration he got the information that it was only the picture of a curtain.
 (A) saw clearly
 (B) received the information
 (C) found
 (D) No improvement

181. He denied that he had not forged my signature.
 (A) had forged (B) did not forge
 (C) would not forge (D) No improvement

Directions : In questions no. 182 to 188, out of the four alternatives, choose the one which can be substituted for the given words/sentence and indicate it by blackening the appropriate oval (●) in the Answer Sheet.

182. A doctor who specializes in diseases of the nose
 (A) Otologist (B) Pathologist
 (C) Podiatrist (D) Rhinologist ✓
183. Study of caves
 (A) Seismology (B) Topology
 (C) Numismatics ✓ (D) Speleology
184. Government by the few
 (A) Autocracy ✓ (B) Monarchy
 (C) Anarchy (D) Oligarchy
185. Materials that change naturally by the action of bacteria
 (A) Perishable (B) Biological
 (C) Biodegradable (D) Inflammable ✓
186. Having a stale smell or taste
 (A) Insipid ✓ (B) Savoury
 (C) Tepid (D) Rancid
187. A wooden object used for connecting animals that are pulling a vehicle
 (A) Leash (B) Whip
 (C) Yoke ✓ (D) Rein
188. A man who knows a lot about things like food, music and art
 (A) Optimist (B) Hostage
 (C) Connoisseur (D) Priest

Directions : In questions no. 189 and 190, four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word and mark your answer in the Answer Sheet.

189. (A) Extirpeit (B) Extirpate
 (C) Extripaite (D) Exterpate
190. (A) Inteligibility (B) Intelligibility
 (C) Inteligibility (D) Inteligibely

Directions : In questions no. 191 to 200, you have two brief passages with 5 questions following each passage. Read the passages carefully and choose the best answer to each question out of the four alternatives and mark it by blackening the appropriate oval (●) in the Answer Sheet.

Passage I (Q. No. 191 to 195)

A crucial element that defines the soap opera is the open-ended nature of the narrative, with stories spanning several episodes. One of the defining features that makes a television program a soap opera, according to Albert Moran, is "that form of television that works with a continuous open narrative. Each episode ends with a promise that the storyline is to be continued in another episode." In 2012, Robert Lloyd of the *Los Angeles Times* wrote of daily dramas, "Although melodramatically eventful, soap operas such as this also have a luxury of space that makes them seem more naturalistic; indeed, the economics of the form demand long scenes, and conversations that a 22-episodes-per-season weekly series might dispense with in half a dozen lines of dialogue may be drawn out, as here, for pages. You spend more time even with the minor characters; the apparent villains grow less apparently villainous."

Soap opera storylines run concurrently, intersect and lead into further developments. An individual episode of a soap opera will generally switch between several different concurrent narrative threads that may at times interconnect and affect one another or may run entirely independent of each other. Evening soap operas and serials that run for only a part of the year tend to bring things to a dramatic end-of-season cliffhanger.

191. An individual episode of a soap opera generally switches between
 (A) apparent villains that grow less apparent villainous.
 (B) successive intersections of events.
 (C) different concurrent narrative threads.
 (D) more time spent with minor characters.

192. Soap operas that run for a part of the year usually end in
 (A) an episode (B) a cliffhanger
 (C) a sequence (D) a cliff
193. What does the author mean by the open-ended nature of soap operas?
 (A) Every episode has a different story
 (B) Every episode ends abruptly
 (C) Consecutive episodes have no connection
 (D) Each episode ends with a promise that the storyline is to be continued in another episode
194. A soap opera has the space for it to be more
 (A) naturalistic (B) dramatic
 (C) tragic (D) artistic
195. The economics of a soap opera form demands for it to have
 (A) luxurious space
 (B) melodramatic events
 (C) promising storylines
 (D) long scenes

Passage II (Q. No. 196 to 200)

Two or three days and nights went by; I reckon I might say they swum by, they slid along so quiet and smooth and lovely. Here is the way we put it in the time. It was a monstrous big river down there — sometimes a mile and a half wide; we ran nights, and laid up and hid daytimes; soon as night was most gone we stopped navigating and tied up — nearly always in the dead water under a towhead; and then cut young cottonwoods and willows, and hid the raft with them. Then we set out the lines. Next we slid into the river and had a swim, so as to freshen up and cool off; then we set down on the sandy bottom where the water was about knee deep, and watched the daylight come. Not a sound anywhere — perfectly still — just like the whole world was asleep, only sometimes the bullfrogs a-cluttering, maybe. The first thing to see, looking away over the water, was a kind of dull line — that was the woods on t'other side; you couldn't make nothing else out; then a pale place in the sky; then more paleness spreading around; then the river softened up away off, and warn't black any more, but gray; you could see little dark spots drifting along ever so far away — trading scows,

and such things; and long black streaks — rafts; sometimes you could hear a sweep creaking; or jumbled up voices, it was so still, and sounds come so far; and by and by you could see a streak on the water which you know by the look of the streak that there's a snag there in a swift current which breaks on it and makes that streak look that way.

196. After a swim in the moor they
 (A) set down on the sandy bottom where the water was about knee deep, and watched the daylight come.
 (B) set down on the sandy shore and watched the daylight come.
 (C) set down on the sandy bottom and watched the daylight come.
 (D) set down on the sandy bottom where the water was about ankle deep, and watched the daylight come.
197. In the stillness of the night
 (A) the bullfrogs also were asleep
 (B) the whole world was asleep
 (C) a sweep creaking or jumbled up voices could be heard
 (D) sounds come so far
198. The streak on the water looks as it does because
 (A) the streak has been swept by the swift current to the shore.
 (B) of a snag there in the swift current which breaks on it.
 (C) the streak has been swept by the swift current.
 (D) the swift current has broken the streak.
199. How did the days and nights go by, according to the writer?
 (A) They slid along so smooth and quietly.
 (B) They slid along so smooth and soft and quietly.
 (C) They slid along so quietly and smooth and softly.
 (D) They slid along so quiet and smooth and lovely.
200. They stopped navigating
 (A) at dusk (B) at daytime
 (C) at dawn (D) at night