

RK-2015

Booklet Sr. No. GA-

1677688

Time Allowed : 2 Hours (For V.H. and Cerebral Palsy Candidates : 2 hrs. 40 min.)

Maximum Marks : 200

निर्धारित समय : 2 घण्टे (दृष्टिबाधित और सेरिब्रल पाल्सी उम्मीदवारों के लिए : 2 घण्टे 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 निम्नलिखित अनुदेशों को ध्यान से पढ़ लें ।

इस पुस्तिका में प्रश्न अंग्रेजी तथा हिन्दी दोनों में दिये गये हैं ।

INSTRUCTIONS TO CANDIDATES	उम्मीदवारों के लिए अनुदेश
1. 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)	1. 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 : अंग्रेजी परिज्ञान (50 प्रश्न)
2. In questions set bilingually in English and Hindi language, in case of discrepancy, the English version will prevail.	2. अंग्रेजी और हिन्दी भाषा में तैयार किए गए द्विभाषी प्रश्नों में कोई विसंगति होने की स्थिति में अंग्रेजी विवरण मान्य होगा ।
3. All questions are compulsory and carry equal marks.	3. सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं ।
4. The paper carries negative marking. 0.25 marks will be deducted for each wrong answer.	4. प्रश्न-पत्र में नकारात्मक अंकन होगा । हर गलत उत्तर के लिए 0.25 अंक काटा जाएगा ।
5. Before you start to answer the questions you must check up this Booklet and ensure that it contains all the pages (1-32) and see that no page is missing or repeated. If you find any defect in this Booklet, you must get it replaced immediately.	5. प्रश्नों के उत्तर देने से पहले आप इस पुस्तिका की जाँच करके देख लें कि इसमें पूरे पृष्ठ (1-32) हैं तथा कोई पृष्ठ कम या दुबारा तो नहीं आ गया है । यदि आप इस पुस्तिका में कोई त्रुटि पायें, तो तत्काल इसके बदले दूसरी पुस्तिका ले लें ।
6. 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 in 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. (V.H. and Cerebral Palsy candidates will have to ensure that these details are filled in by the scribe. However, all V.H. and Cerebral Palsy candidates must put their left-hand thumb impression at the space provided in the Answer-Sheet. Those V.H. and Cerebral Palsy candidates who can sign should also put their signatures in addition to thumb impression.)	6. निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जाएगी । उत्तर-पत्रिका 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 बायें 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 और सेरिब्रल पाल्सी उम्मीदवार सुनिश्चित करें कि यह विवरण लिपिक द्वारा भरा जाए । परन्तु सभी दृष्टिबाधित और सेरिब्रल पाल्सी उम्मीदवार उत्तर-पत्रिका में निर्धारित स्थान पर अपने बाएँ हाथ के अंगूठे का निशान अवश्य लगाएँ । जो दृष्टिबाधित और सेरिब्रल पाल्सी उम्मीदवार हस्ताक्षर कर सकते हैं, वे अंगूठे के निशान के अलावा अपने हस्ताक्षर भी कर दें ।)
7. Answers must be shown by completely blackening the corresponding circles 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.	7. उत्तर-पत्रिका में सभी उत्तर Side-II में प्रश्न संख्या के सामने दिये गये सम्बन्धित गोलाकार खानों को केवल काले/नीले बॉल-पॉइंट पेन से पूरी तरह काला करके दिखाएँ । जो गोलाकार खाने काले/नीले बॉल-पॉइंट पेन से नहीं भरे जाएँगे, उनके लिए कोई अंक नहीं दिया जाएगा ।
8. 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.	8. 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 अभ्यर्थी को 'शून्य' अंक दिया जाएगा ।
9. The Answer-Sheet must be handed over to the Invigilator before you leave the Examination-Hall.	9. परीक्षा-भवन छोड़ने से पहले परीक्षार्थी को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए ।
10. Failure to comply with any of the above instructions will render a candidate liable to such action / penalty as may be deemed fit.	10. 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 ।
11. The manner in which the different questions are to be answered has been explained at the back of this Booklet (Page No. 32), which you should read carefully before actually answering the questions.	11. विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे (पृष्ठ संख्या 32) में छपे हुए निर्देशों में दी गई है इसे आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें ।
12. 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.	12. 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 ।
13. 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 V.H. and Cerebral Palsy candidates only.	13. आकृति से सम्बन्धित प्रश्न संख्या 39 से 50 तथा 144 से 150 के बदले में केवल दृष्टिबाधित और सेरिब्रल पाल्सी उम्मीदवारों द्वारा हल किए जाने के लिए वैकल्पिक प्रश्न दिए गए हैं ।
14. No rough work is to be done on the Answer-Sheet. Space for rough work has been provided below the questions.	14. कोई रफ़ कार्य उत्तर-पत्रिका पर नहीं करना है । रफ़ कार्य के लिए स्थान प्रश्नों के नीचे दिया गया है ।
15. "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 it is switched off mode, 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."	15. "परीक्षा हलों/कमरों में मोबाइल फोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं । प्रत्याशियों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फोन/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 ।"

इस पुस्तिका की सील/पॉलीथीन बैग तब तक न खोलें जब तक कहा न जाए ।



RK-2015

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**Part - A**  
**GENERAL INTELLIGENCE & REASONING**

**Directions :** In the following Six Questions, select the related word/letters/number from the given alternatives.

1. AEFJ : KOPT :: ? : QUVZ  
(A) HKQL (B) GLKP  
(C) GKLP (D) HLKP
2. 2 : 32 :: 3 : ?  
(A) 143 (B) 243 (C) 293 (D) 183
3. D × H : 4 × 8 as M × Q : ?  
(A) 14 × 18 (B) 12 × 17  
(C) 12 × 16 (D) 13 × 17
4. Haematology : Blood :: Phycology : ?  
(A) Diseases (B) Fungi  
(C) Fishes (D) Algae
5. Pride of Lions :: \_\_\_\_\_ of cats  
(A) Bunch (B) Herd  
(C) School (D) Clowder
6. MAN : PDQ :: WAN : ?  
(A) YDQ (B) ZDQ (C) NAW (D) YQD

**Directions :** In the following Six Questions, find the odd word/ number/letters/number pair from the given alternatives.

7. (A) GFHJ (B) CBEF  
(C) EDGH (D) IHKL
8. (A) 5061 (B) 4025  
(C) 7202 (D) 6023
9. (A) 104 : 78 (B) 96 : 80  
(C) 64 : 48 (D) 80 : 60
10. (A) Night (B) Morning  
(C) Noon (D) Evening
11. (A) Fraternity (B) Liberty  
(C) Society (D) Equality
12. (A) KQNN (B) DWFU  
(C) EVHS (D) HSKP

13. Which one of the given responses would be a meaningful order of the following?  
1. Elephant 2. Cat 3. Mosquito  
4. Tiger 5. Whale  
(A) 2, 5, 1, 4, 3 (B) 5, 3, 1, 2, 4  
(C) 1, 3, 5, 4, 2 (D) 3, 2, 4, 1, 5

14. Choose the correct alternative to complete the series.  
Lily, Daisy, Datura, ?  
(A) Jasmine (B) Sun Flower  
(C) Hibiscus (D) Marigold

**Directions :** In the following Two Questions, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

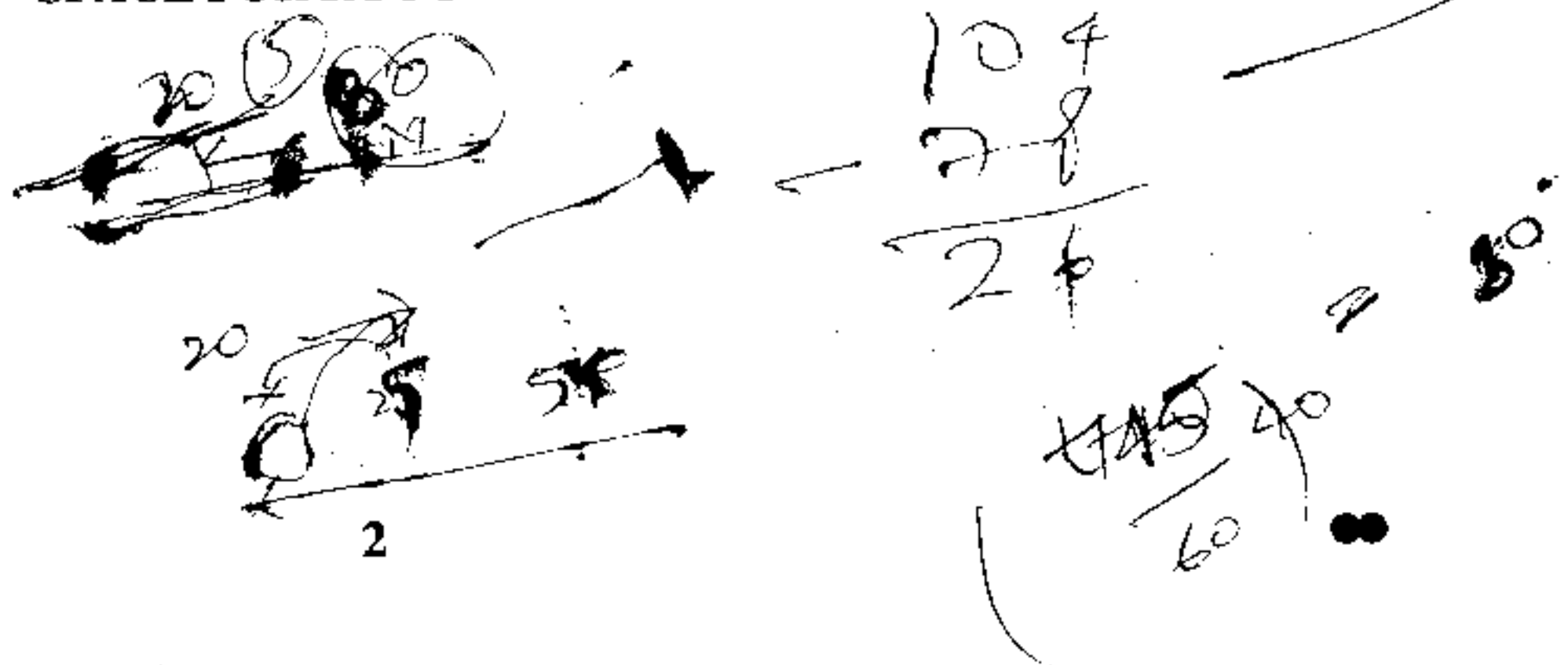
15. a<sup>a</sup> \_ a dba \_ \_ bcad \_ \_ da \_ \_ cd  
(A) aabbccdd (B) bccdbcab  
(C) abcd dcba (D) cbcd dcba

16. ccbab \_ caa \_ bccc \_ a \_  
(A) babc (B) babb (C) bbba (D) baab

**Directions :** In the following Two Questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

17. 3, 5, 9, 17, ?  
(A) 42 (B) 26 (C) 65 (D) 33
18. 4, 6, 10, 16, 24, ?  
(A) 40 (B) 28 (C) 30 (D) 34
19. In a row of men, Manoj is 30<sup>th</sup> from the right and Kiran is 20<sup>th</sup> from the left. When they interchange their position, Manoj becomes 35<sup>th</sup> from the right. What is the total number of men in the row?  
(A) 34 (B) 45 (C) 44 (D) 54
20. A train starts from station A and reaches B 15 minutes late when it moves with 40 km/hr and 24 minutes late when it goes 30 km/hr. The distance between the two stations is  
(A) 24 km (B) 16 km  
(C) 18 km (D) 21 km

SPACE FOR ROUGH WORK



21. Unscramble the following letters to frame a meaningful word. Then find out the correct numerical position of the letters:  
 B C U S M E L R N A  
 1 2 3 4 5 6 7 8 9 10  
 (A) 2 1 3 4 6 8 9 7 5 10  
 (B) 6 1 4 3 2 5 8 7 9 10  
 (C) 3 1 5 7 10 4 2 6 9 8  
 (D) 3 9 4 2 8 10 5 1 7 6
22. Using the following code and key decode the given coded word:  
 Code: L X P Z J Y Q M N B  
 Key : b a e s p r h i g t  
 Coded word : ZBYXMNQB  
 (A) strength (B) height  
 (C) struggle (D) straight
23. In a certain code "MOUSE" is written as "PRUQC". How is "SHIFT" written in that code?  
 (A) VKIDR (B) VJIDR  
 (C) VIKRD (D) RKIVD
24. Seven persons A, B, C, D, E, F and G are standing in a straight line.  
 D is to the right of G.  
 C is between A and B.  
 E is between F and D.  
 There are three persons between G and B.  
 Who is on the extreme left?  
 (A) G (B) A (C) B (D) D
25. From the given alternative words, select the word which cannot be formed using the letters of the given word:  
 CUMBERSOME  
 (A) MERCY (B) MOUSE  
 (C) SOBER (D) ROME
26. Name a single letter, which can be prefixed to the following words in order to obtain entirely new words?  
 TILL TABLE PILE TAB PRING  
 (A) C (B) S (C) B (D) H

27. In a certain code, '253' means 'books are old'; '546' means 'man is old' and '378' means 'buy good books'. What stands for "are" in that code?  
 (A) 6 (B) 2 (C) 4 (D) 5
28. If, + stands for division; × stands for addition; - stands for multiplication; ÷ stands for subtraction, which of the following is correct?  
 a.  $46 \times 6 \div 4 \div 5 + 3 = 74$   
 b.  $46 - 6 + 4 \times 5 + 3 = 71$   
 c.  $46 \div 6 \times 4 - 5 + 3 = 75.5$   
 d.  $46 \times 6 - 4 + 5 \div 3 = 70.1$   
 (A) c (B) d (C) b (D) a
29. If  $+ = \times$ ,  $- = \div$ ,  $\times = +$ ,  $\div = -$ , then which is the correct equation out of the following?  
 (A)  $18 - 6 \times 7 + 2 + 8 = 63$   
 (B)  $18 \div 6 + 4 - 2 + 3 = 22$   
 (C)  $18 + 6 - 4 \times 2 \div 3 = 26$   
 (D)  $18 \times 6 - 4 + 7 \times 8 = 47$

Directions : In the following Five Questions, select the missing number from the given responses.

30. 

3	2
4	24

2	-1
-2	4

6	5
0	?

  
 (A) 1 (B) 30 (C) 11 (D) 0
31. 

7	5	3
8	4	9
2	8	?

112	160	162
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 (A) 12 (B) 4 (C) 6 (D) 8
32. 

?
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137
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8
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2
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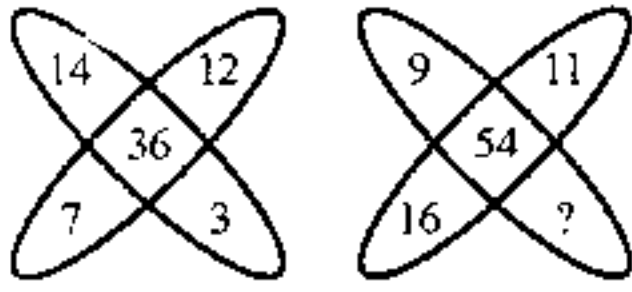
  
 (A) 9107 (B) 97 (C) 907 (D) 1097

SPACE FOR ROUGH WORK

G K S E A

E E D G A C B

E D E F B C A

33.  (A) 16 (B) 12 (C) 17 (D) 18

34. 

9	11	13
13	15	17
10	12	14
14	16	18
11	13	?

 (A) 21 (B) 22 (C) 14 (D) 15

35. Sunita rode her scooty northwards, then turned left and then again rode to her left 4 km. She found herself exactly 2 kms west of her starting point. How far did she ride northwards initially?  
(A) 6 km (B) 2 km (C) 4 km (D) 5 km

36. Pinky walks a distance of 600 mtr. towards east, turns left and moves 500 mtr, then turns left and walks 600 mtr. and then turns left again and moves 500 mtr and halts. At what distance in metres is she from the starting point?  
(A) 600 (B) 2200 (C) 500 (D) 0

**Directions :** In the following Two Questions, one statement is given followed by two Conclusions, I and II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given conclusions can definitely be drawn from the given statement. Indicate your answer.

37. **Statement :** Aggressive animals can be trained with care and affection to behave as the occasion demands.

**Conclusions I :** Trained dogs cannot be aggressive.

**II :** Animals are always aggressive unless care and affection is given to them.

- (A) Both I and II follow.  
(B) Only I follows.  
(C) Only II follows.  
(D) Neither I nor II follows.

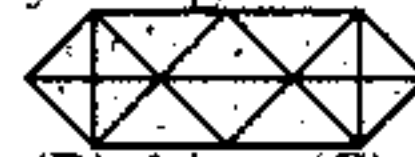
38. **Statement :** Every school should promote partnerships that will increase parental involvement and participation for promoting the growth of children.

**Conclusions I :** For the growth of the children, parents should be involved in various school activities.

**II :** Involvement of parents in school activities has no influence on the growth of the children.

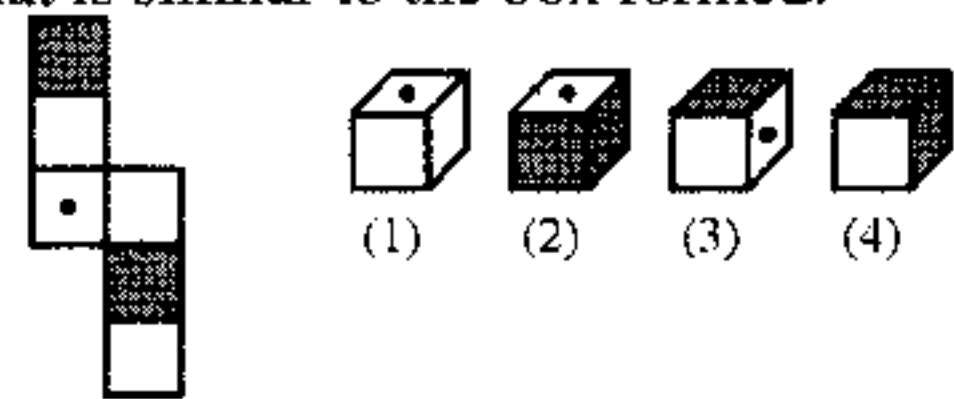
- (A) Both I and II follow  
(B) Only I follows  
(C) Only II follows  
(D) Neither I nor II follows

39. How many triangles are there in the figure?



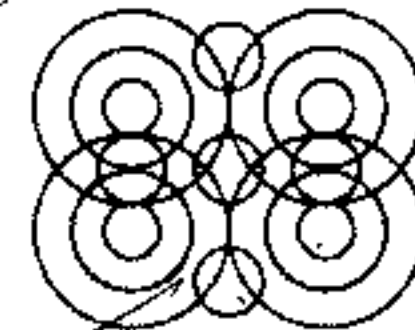
- (A) 24 (B) 14 (C) 28 (D) 20

40. The figure given on the left hand side is folded to form a box. Choose from the alternatives (1), (2), (3) and (4) the boxes that is similar to the box formed.







- (A) (2) and (3) only  
(B) (1), (3) and (4) only  
(C) (2) and (4) only  
(D) (1) and (4) only

41. Find out the number of circles in the given figure:

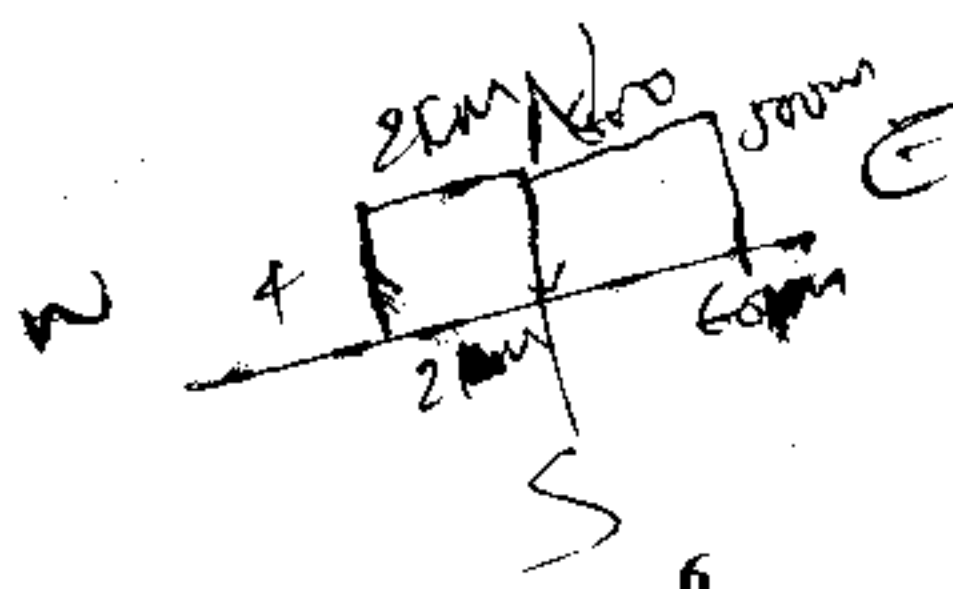


- (A) 14 (B) 16 (C) 17 (D) 18

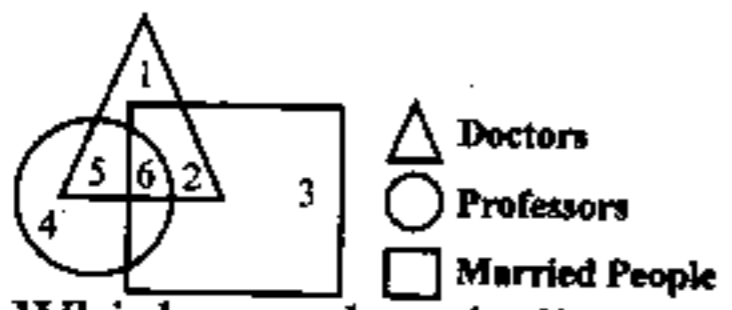
42. Identify the diagram that best represents the relationship among the classes given below: Animals, land animals, sea animals

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

SPACE FOR ROUGH WORK

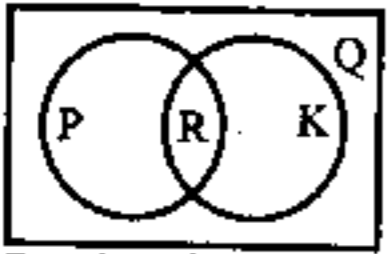


43.



Which number indicates doctors who are not married?  
 (A) 6 (B) 4 (C) 2 (D) 1

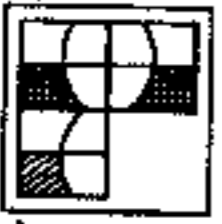
44.



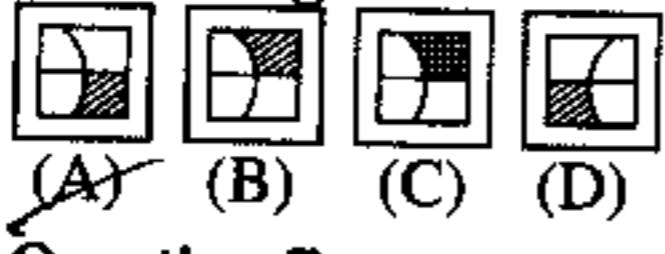
In the fig:  
 Q represents all quadrilaterals  
 K represents all Kites  
 R represents all Rhombus  
 P represents all Parallelogram  
 The statement 'Rhombus is also a Kite' can be described as  
 (A) P and K is nothing but R  
 (B) P or K is nothing but R  
 (C) P and R is nothing but K  
 (D) P or R is nothing but K

Directions : In the following Two Questions, which answer figure will complete the pattern in the question figure?

45. Question figure:



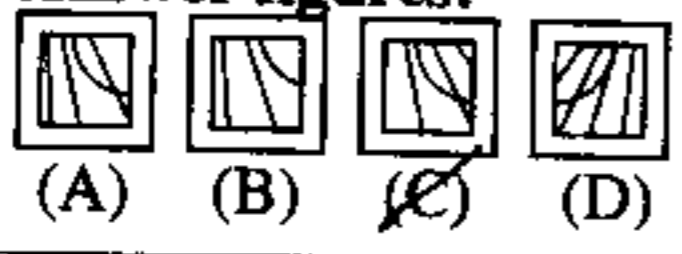
Answer figures:



46. Question figure:



Answer figures:

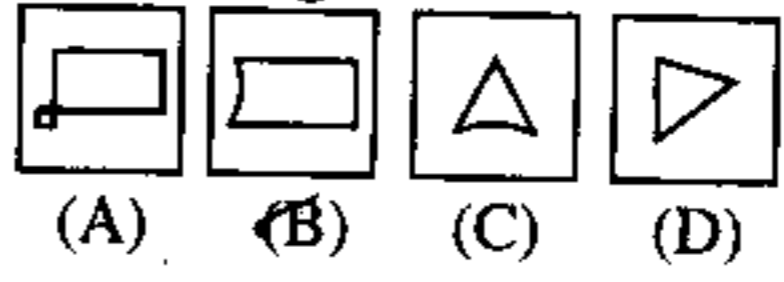


47. From the given answer figures, select the one which is hidden/embedded in the question figure:

Question figure:

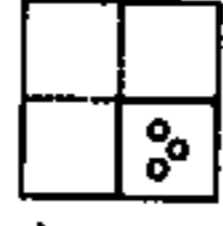


Answer figures:

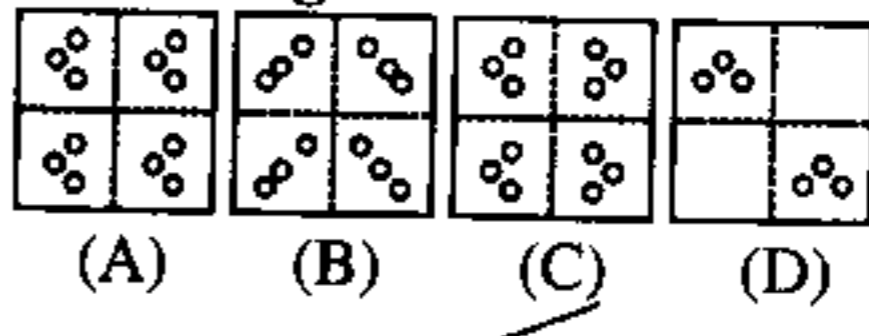


48. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figure:



Answer figures:

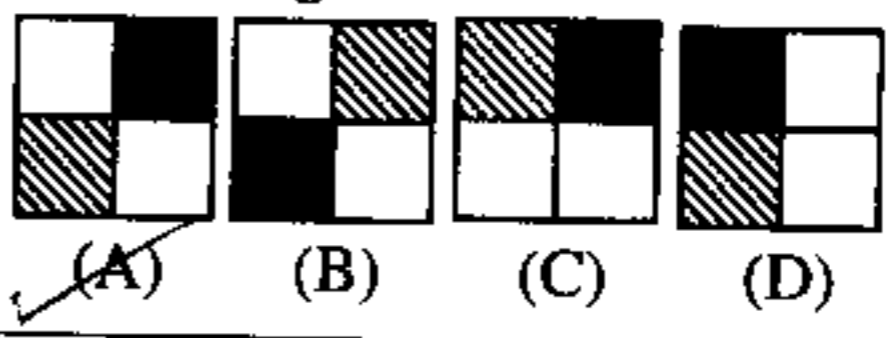


49. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

Question figure:



Answer figures:



SPACE FOR ROUGH WORK

50. **Direction :** 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., 'A' can be represented by 01, 14 etc. and 'O' can be represented by 59, 67 etc. similarly, you have to identify the set for the word 'PEARL'

Matrix - I					Matrix - II						
	0	1	2	3	4		5	6	7	8	9
0	P	A	G	R	Z	5	E	M	L	N	O
1	G	R	Z	P	A	6	L	E	O	M	N
2	Z	P	A	G	R	7	O	N	E	L	M
3	A	G	R	Z	P	8	N	O	M	E	L
4	R	Z	P	A	G	9	M	L	N	O	E

- (A) 00, 55, 22, 11, 96  
 (B) 00, 66, 14, 32, 56  
 (C) 13, 77, 30, 14, 88  
 (D) 12, 88, 43, 32, 89

**FOR VISUALLY HANDICAPPED / CEREBRAL PALSY CANDIDATES ONLY**

39. Select the related number from the given alternatives.  
 80 : 99 : 120 : ?  
 (A) 143 (B) 156 (C) 169 (D) 181
40. Find the odd one out.  
 (A) 324 (B) 244 (C) 514 (D) 136
41. Complete the series.  
 E, F, H, K, ?, T  
 (A) M (B) O (C) N (D) P
42. In a particular way the word NORTH POLE is coded as ELOP HTRON, how can SOUTH POLE be written?  
 (A) ELOP HTUOS (B) ELOPH UOST  
 (C) ELOPH OUST (D) ELOPH SOUT

**Directions :** In the following Two Questions, from the given alternatives select the word which cannot be formed using the letters of the given word.

43. CONSTITUTIONAL  
 (A) CONSULT (B) CONSTANT  
 (C) TUITION (D) CONDITION
44. ORGANISATION  
 (A) ORGAN (B) ORIGINAL  
 (C) NATION (D) GAIN
45. How many 5's are there in the following number sequence which are immediately followed by 4 but not immediately preceded by 6?  
 8 9 5 4 2 5 4 8 5 5 7 8 6 4 4 5 6 6 5 4 7  
 5 4 4 6 3 8  
 (A) 1 (B) 2 (C) 4 (D) 3

**Directions :** In the following Two Questions, select the missing number from the given responses.

46. 26, 52, 78, ?  
 (A) 91 (B) 104 (C) 65 (D) 13
47.  $\frac{?}{6} = \frac{7}{12} = \frac{13}{4}$   
 19 20 28  
 (A) 18 (B) 26 (C) 8 (D) 13
48. Rama travels 10 km towards the north, turns left and travels 4 km and then again turns right and covers another 5 km and then turns right and travels 4 km. How far is she from the starting point?  
 (A) 5 km (B) 10 km  
 (C) 15 km (D) 19 km
49. If the letters in PRABHA are coded as 275965, and TILAK are coded as 38451, how can BHARATI be coded?  
 (A) 8543691 (B) 9251869  
 (C) 8125758 (D) 9657538
50. If A is '-', B is 'x', C is '+' & D is '÷', then what is the addition of 7B6C5A2 & 7A5B4D2  
 (A) 45 (B) 48 (C) 42 (D) 43

SPACE FOR ROUGH WORK

**Part - B**  
**GENERAL AWARENESS**

51. Peroxyacetyl nitrate is a  
(A) Acidic dye  
(B) Plant hormone  
(C) Vitamin  
(D) Secondary pollutant
52. Which of the following river does not originate in Indian territory?  
(A) Ganga (B) Mahanadi  
(C) Brahmaputra (D) Satluj
53. To whom the line 'A thing of beauty is a joy for ever' is attributed?  
(A) William Wordsworth  
(B) John Keats  
(C) Dr. Charles Dickens  
(D) Dr. Jonathan Swift
54. The birthday of which of the following leaders is celebrated as 'Teachers Day' in India?  
(A) Lala Lajpat Rai  
(B) Dr. Rajendra Prasad  
(C) S. Radhakrishnan  
(D) C. Rajgopalachari
55. The award given for outstanding performance in sports is  
(A) Dronacharya Award  
(B) Bharat Ratna  
(C) Padma Shri Award  
(D) Arjuna Award
56. Which hill station's name means 'place of the thunderbolt'?  
(A) Gangtok (B) Shillong  
(C) Ootacamand (D) Darjeeling
57. The maximum fixation of solar energy is done by  
(A) Protozoa (B) Bacteria  
(C) Fungi (D) Green plants
58. The term 'brown air' is used for  
(A) Acid fumes  
(B) Photochemical smog  
(C) Sulfurous smog  
(D) Industrial smog
59. Which of the following is FALSE with respect to rain water harvesting?  
(A) It is a device of water conservation.  
(B) It helps raising water table.  
(C) It helps meet rising water demand.  
(D) It increases run-off losses.
60. Where was the first conference of SAARC (South Asian Association for Regional Cooperation) held?  
(A) Kathmandu (B) Dhaka  
(C) New Delhi (D) Colombo
61. Which among the following is not a Bretton Woods Institution?  
(A) None of these  
(B) International Monetary Fund (I.M.F.)  
(C) World Bank  
(D) Organisation of Economic Cooperation and Development (O.E.C.D.)
62. Equilibrium price in the market is determined by the  
(A) equality between marginal cost and average cost.  
(B) equality between total cost and total revenue.  
(C) equality between average cost and average revenue.  
(D) equality between marginal cost and marginal revenue.
63. In the national context which of the following indicates Macro Approach?  
(A) Inflation in India.  
(B) Sales of Bata Shoe Company  
(C) Exports of Mangoes to U.K.  
(D) Income from Railways.
64. Internal economies  
(A) arise when there is expansion in an industry.  
(B) arise in an economy as it makes progress.  
(C) accrue to a firm when it expands its output.  
(D) arise when there is expansion in internal trade.
65. The ship building yard-Mazgaon Dock is located at  
(A) Vishakhapatnam (B) Kochi  
(C) Kolkata (D) Mumbai
66. Electric current is measured using which of the following instrument?  
(A) Ammeter (B) Voltmeter  
(C) Anemometer (D) Wattmeter
67. 'Agha Khan Cup' is related with which of the following sport event?  
(A) Football (B) Cricket  
(C) Hockey (D) Table Tennis

68. The legislature gains a priority over the executive in  
 (A) A Presidential Government  
 (B) A Federal Government  
 (C) An Authoritarian Government  
 (D) A Parliamentary Government
69. The legislature in a democratic country can influence public opinion by  
 (A) Focusing attention on public issues  
 (B) Granting rights  
 (C) Enacting non-controversial laws  
 (D) Defining the duties of the citizens
70. If the President wants to resign from his office, he may do so by writing to the  
 (A) Speaker of Lok Sabha  
 (B) Vice President  
 (C) Chief Justice of India  
 (D) Prime Minister
71. Which of the following is not a Union Territory ?  
 (A) Dadra and Nagar Haveli  
 (B) Lakshadweep  
 (C) Puducherry  
 (D) Nagaland
72. The greatest king of the Pratihara dynasty was  
 (A) Vatsaraj  
 (B) Bhoj (Mihir-Bhoj)  
 (C) Dantidurga  
 (D) Nagbhatta II
73. One of the features of a free market economy is  
 (A) active state intervention  
 (B) public ownership of factors of production  
 (C) rationing and price control  
 (D) consumer's sovereignty
74. Gross National Product – Depreciation Allowance=?  
 (A) Per Capita Income  
 (B) Gross Domestic Product  
 (C) Personal Income  
 (D) Net National Product
75. The Panchayat Samiti remains accountable for its functions to  
 (A) Janpad Panchayats  
 (B) The Gram Panchayats and Gram Sabhas  
 (C) Zilla Parishads  
 (D) Anchal Panchayats
76. Which one of the following pair is not correctly matched ?  
 (A) Harshvardhan – Hiuen Tsang  
 (B) Akbar – Todarmal  
 (C) Chanakya – Chandragupta  
 (D) Vikramaditya – Chaitanya
77. The South-East trade winds are attracted towards the Indian sub-continent in the rainy season due to  
 (A) the development of cyclone over the equator  
 (B) the effect of easterlies  
 (C) the effect of Northern-East trade winds  
 (D) the presence of low atmospheric pressure over North-West India
78. The 'graded profile' of a river course is a  
 (A) smooth curve from source to mouth.  
 (B) smooth curve in the upper course.  
 (C) smooth curve in the middle course.  
 (D) smooth curve in the lower course.
79. Sink hole is a phenomenon of \_\_\_\_\_ topography.  
 (A) Plain (B) Desert  
 (C) Tundra (D) Karst
80. Kerala is famous for the cultivation of  
 1. Coconut 2. Black-pepper  
 3. Rubber 4. Rice  
 (A) 1, 2 and 3 (B) 1, 2 and 4  
 (C) 2, 3 and 4 (D) 1 and 4
81. In 1939 Subhash Chandra Bose was elected as President of the Congress Party defeating  
 (A) Pattabhi Sitharamayya  
 (B) Jawaharlal Nehru  
 (C) Maulana Abul Kalam Azad  
 (D) V.B. Patel
82. Jallianwala incident took place at  
 (A) Allahabad (B) Lucknow  
 (C) Surat (D) Amritsar
83. Who was the founder of Lodhi dynasty ?  
 (A) Daulat Khan Lodhi  
 (B) Sikandar Lodhi  
 (C) Bahlol Lodhi  
 (D) Ibrahim Lodhi



84. Allantois of Embryo helps in  
 (A) digestion (B) respiration  
 (C) excretion (D) protection
85. Which one of the following animals belongs to mollusca ?  
 (A) Haliotis (B) Hare  
 (C) Hydra (D) Hyla
86. Outside the nucleus DNA is found in  
 (A) Golgi bodies  
 (B) Mitochondria  
 (C) Ribosome  
 (D) Endoplasmic reticulum
87. Animal protein is called first class protein because it is  
 (A) easily digestible  
 (B) delicious in taste  
 (C) cheaper in the market  
 (D) rich in essential amino acids
88. It is easy to burst a gas-filled balloon with a needle than with a nail. It is because  
 (A) nail is more longer than needle.  
 (B) nail exerts more pressure than needle on the balloon.  
 (C) needle exerts more pressure than nail on the balloon.  
 (D) gas is reactive with the needle.
89. The longest continental Railway in the world is  
 (A) Trans Atlantic Railway  
 (B) Trans Siberian Railway  
 (C) Canadian Pacific Railway  
 (D) Canadian National Railway
90. Photoperiodism affects  
 (A) All of these  
 (B) Flowering  
 (C) Vegetative growth  
 (D) Fruiting
91. Match the following :
- |     |                      | I |    |                        | II |
|-----|----------------------|---|----|------------------------|----|
| A.  | Ascorbic acid        |   | 1. | Photosynthetic pigment |    |
| B.  | Chlorophyll          |   | 2. | Quencher               |    |
| C.  | Carotenoid           |   | 3. | Enzyme                 |    |
| D.  | Superoxide dismutase |   | 4. | Vitamin-C              |    |
|     |                      | A | B  | C                      | D  |
| (A) |                      | 4 | 1  | 2                      | 3  |
| (B) |                      | 4 | 2  | 1                      | 3  |
| (C) |                      | 2 | 4  | 1                      | 3  |
| (D) |                      | 4 | 1  | 3                      | 2  |
92. What is used to identify whether a data word has an odd or even number of 1's ?  
 (A) Carry bit (B) Sign bit  
 (C) Zero bit (D) Parity bit
93. Rearranging and allocating space in memory to provide for multiple computing tasks is called  
 (A) Networking  
 (B) Multiprogramming  
 (C) Multitasking  
 (D) Memory Management
94. What happens when a drop of glycerol is added to crushed  $\text{KMnO}_4$  spread on a paper ?  
 (A) There is a crackling sound.  
 (B) There is a violent explosion.  
 (C) There is no reaction.  
 (D) The paper ignites.
95. Most commonly used bleaching agent is  
 (A) Sodium chloride (B) Alcohol  
 (C) Carbon dioxide (D) Chlorine
96. The least penetrating power ray is  
 (A) X-Ray (B)  $\alpha$ -Ray  
 (C)  $\beta$ -Ray (D)  $\gamma$ -Ray
97. Hydrogen peroxide is an effective sterilizing agent. Which one of the following product results when it readily loses active oxygen?  
 (A) Nasant Hydrogen  
 (B) Water  
 (C) Hydrogen  
 (D) Ozone
98. The velocity of sound in moist air is more than in dry air because the moist air has  
 (A) less density than dry air.  
 (B) less pressure than dry air.  
 (C) more pressure than dry air.  
 (D) more density than dry air.
99. X-rays can be used  
 (A) for cutting and welding of metals.  
 (B) to detect heart diseases.  
 (C) to detect defects in precious stones and diamonds.  
 (D) to detect gold under the earth.
100. Ice is packed in saw dust because  
 (A) saw dust will not get melted easily.  
 (B) saw dust is poor conductor of heat.  
 (C) saw dust is a good conductor of heat.  
 (D) saw dust does not stick to the ice.

**Part - C**  
**QUANTITATIVE APTITUDE**

101. In  $\triangle ABC$ , a line through A cuts the side BC at D such that  $BD:DC=4:5$ . If the area of  $\triangle ABD=60\text{cm}^2$ , then the area of  $\triangle ADC$  is  
 (A)  $90\text{cm}^2$  (B)  $50\text{cm}^2$   
 (C)  $60\text{cm}^2$  (D)  $75\text{cm}^2$
102. A tangent is drawn to a circle of radius 6 cm from a point situated at a distance of 10 cm from the centre of the circle. The length of the tangent will be  
 (A) 7 cm (B) 4 cm (C) 5 cm (D) 8 cm
103. A ship after sailing 12 km towards south from a particular place covered 5 km more towards east. Then the straightway distance of the ship from that place is  
 (A) 11 km (B) 18 km  
 (C) 15 km (D) 13 km
104. The sides of a triangle having area 7776 sq. cm are in the ratio 3:4:5. The perimeter of the triangle is  
 (A) 432 cm (B) 400 cm  
 (C) 412 cm (D) 424 cm
105. Two chords of length a unit and b unit of a circle make angles  $60^\circ$  and  $90^\circ$  at the centre of a circle respectively, then the correct relation is  
 (A)  $b = \frac{3}{2}a$  (B)  $b = \sqrt{2}a$   
 (C)  $b = 2a$  (D)  $b = \sqrt{3}a$
106. In a parallelogram PQRS, angle P is four times of angle Q, then the measure of  $\angle R$  is  
 (A)  $44^\circ$  (B)  $36^\circ$  (C)  $72^\circ$  (D)  $130^\circ$
107. The sum of four numbers is 48. When 5 and 1 are added to the first two; and 3 & 7 are subtracted from the 3<sup>rd</sup> & 4<sup>th</sup>, the numbers will be equal. The numbers are  
 (A) 9, 7, 15, 17 (B) 4, 12, 12, 20  
 (C) 5, 11, 13, 19 (D) 6, 10, 14, 18
108. The least number that should be added to 2055, so that the sum is exactly divisible by 27:  
 (A) 28 (B) 24 (C) 27 (D) 31
109. A and B together can do a piece of work in 6 days. If A can alone do the work in 18 days, then the number of days required for B to finish the work is  
 (A) 10 (B) 12 (C) 9 (D) 15
110. A pipe can fill a tank in x hours and another can empty it in y hours. They can together fill it in ( $y > x$ )  
 (A)  $\frac{xy}{y-x}$  (B)  $x - y$   
 (C)  $y - x$  (D)  $\frac{xy}{x-y}$
111. Two poles of height 7 m and 12 m stand on a plane ground. If the distance between their feet is 12 m, the distance between their top will be  
 (A) 15 m (B) 13 m (C) 19 m (D) 17 m
112. The maximum value of  $\sin^4\theta + \cos^4\theta$  is  
 (A)  $\frac{1}{3}$  (B) 1 (C) 2 (D) 3
113. Find the value of  $\tan 4^\circ \tan 43^\circ \tan 47^\circ \tan 86^\circ$   
 (A)  $\frac{2}{3}$  (B) 1 (C)  $\frac{1}{2}$  (D) 2

SPACE FOR ROUGH WORK

114. A square is inscribed in a quarter-circle in such a manner that two of its adjacent vertices lie on the two radii at an equal distance from the centre, while the other two vertices lie on the circular arc. If the square has sides of length  $x$ , then the radius of the circle is
- (A)  $\sqrt{2}x$  (B)  $\frac{16x}{\pi+4}$   
 (C)  $\frac{2x}{\sqrt{\pi}}$  (D)  $\frac{\sqrt{5}x}{\sqrt{2}}$
115. 10% discount and then 20% discount in succession is equivalent to total discount of
- (A) 28% (B) 15%  
 (C) 30% (D) 24%
116. The marked price of a watch was ₹720. A man bought the same for ₹550.80 after getting two successive discounts, the first being 10%. The second discount rate is
- (A) 18% (B) 12% (C) 14% (D) 15%
117. A tap can empty a tank in 30 minutes. A second tap can empty it in 45 minutes. If both the taps operate simultaneously, how much time is needed to empty the tank?
- (A) 30 minutes (B) 18 minutes  
 (C) 14 minutes (D) 15 minutes
118. The perimeter of one face of a cube is 20 cm. Its volume will be
- (A)  $625 \text{ cm}^3$  (B)  $100 \text{ cm}^3$   
 (C)  $125 \text{ cm}^3$  (D)  $400 \text{ cm}^3$
119. If the area of a circle is  $A$ , radius of the circle is  $r$  and circumference of it is  $C$ , then
- (A)  $\frac{A}{r} = C$  (B)  $rC = 2A$   
 (C)  $\frac{C}{A} = \frac{r}{2}$  (D)  $AC = \frac{r^2}{4}$
120. The average weight of 15 oarsmen in a boat is increased by 1.6 kg when one of the crew, who weighs 42 kg is replaced by a new man. Find the weight of the new man (in kg).
- (A) 67 (B) 65 (C) 66 (D) 43
121. What is the Arithmetic mean of the first 'n' natural numbers?
- (A)  $\frac{n(n+1)}{2}$  (B)  $\frac{n+1}{2}$   
 (C)  $\frac{n^2(n+1)}{2}$  (D)  $2(n+1)$
122. A shopkeeper bought 30 kg of rice at the rate of ₹70 per kg and 20 kg of rice at the rate of ₹70.75 per kg. If he mixed the two brand of rice and sold the mixture at ₹80.50 per kg, his gain is
- (A) ₹450 (B) ₹510  
 (C) ₹525 (D) ₹485
123. Allowing 20% and 15% successive discounts, the selling price of an article becomes ₹3,060; then the marked price will be
- (A) ₹4,000 (B) ₹4,400  
 (C) ₹5,000 (D) ₹4,500
124. Eighteen years ago, the ratio of A's age to B's age was 8:13. Their present ratio's are 5:7. What is the present age of A?
- (A) 60 years (B) 70 years  
 (C) 50 years (D) 40 years
125. 729 ml of a mixture contains milk and water in the ratio 7:2. How much more water is to be added to get a new mixture containing milk and water in the ratio 7:3?
- (A) 81 ml (B) 60 ml  
 (C) 71 ml (D) 52 ml

SPACE FOR ROUGH WORK

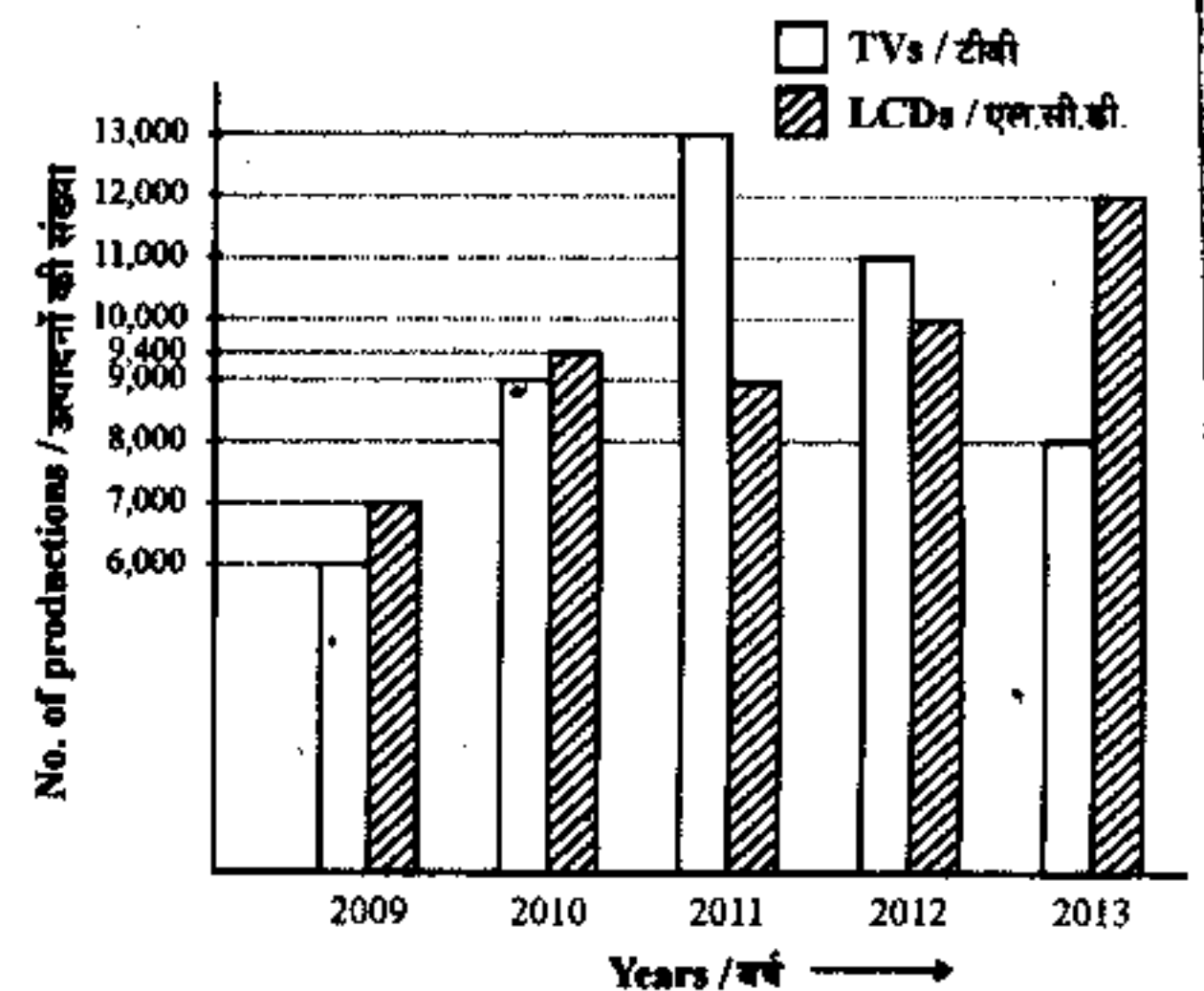
126. In certain years a sum of money is doubled itself at  $6\frac{1}{4}\%$  simple interest per annum, then the required time will be  
 (A) 16 years (B)  $12\frac{1}{2}$  years  
 (C) 8 years (D)  $10\frac{2}{3}$  years
127. The length of the portion of the straight line  $3x + 4y = 12$  intercepted between the axes is  
 (A) 5 (B) 3 (C) 4 (D) 7
128. The value of  $\frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-2} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{3-\sqrt{8}}$  is  
 (A) 7 (B) 0  
 (C) 1 (D) 5
129. The population of a town increases by 5% every year. If the present population is 9261, the population 3 years ago was  
 (A) 8000 (B) 5700  
 (C) 6000 (D) 7500
130. A farmer travelled a distance of 61 km in 9 hrs. He travelled partly on foot at the rate of 4 km/hr and partly on bicycle at the rate of 9 km/hr. The distance travelled on foot is  
 (A) 14 km (B) 17 km  
 (C) 16 km (D) 15 km
131. Walking at the rate of 4 kmph a man covers certain distance in 2 hrs 45 min. Running at a speed of 16.5 kmph the man will cover the same distance in how many minutes?  
 (A) 50 min. (B) 35 min.  
 (C) 40 min. (D) 45 min.
132. If  $x = 332, y = 333, z = 335$ , then the value of  $x^3 + y^3 + z^3 - 3xyz$  is  
 (A) 10000 (B) 7000  
 (C) 8000 (D) 9000
133. If  $2 + x\sqrt{3} = \frac{1}{2 + \sqrt{3}}$ , then the simplest value of  $x$  is  
 (A) -1 (B) 1 (C) -2 (D) 2
134. If  $\frac{m-a^2}{b^2+c^2} + \frac{m-b^2}{c^2+a^2} + \frac{m-c^2}{a^2+b^2} = 3$ , then the value of  $m$  is  
 (A)  $a^2 + b^2 - c^2$  (B)  $a^2 + b^2$   
 (C)  $a^2 + b^2 + c^2$  (D)  $a^2 - b^2 - c^2$
135. The measure of an angle whose supplement is three times as large as its complement, is  
 (A)  $75^\circ$  (B)  $30^\circ$  (C)  $45^\circ$  (D)  $60^\circ$
136. If  $m = -4, n = -2$ , then the value of  $m^3 - 3m^2 + 3m + 3n + 3n^2 + n^3$  is  
 (A) -126 (B) 124  
 (C) -124 (D) 126
137.  $2x - ky + 7 = 0$  and  $6x - 12y + 15 = 0$  has no solution for  
 (A)  $k = -1$  (B)  $k = -4$   
 (C)  $k = 4$  (D)  $k = 1$
138. Choose the incorrect relation(s) from the following:  
 (i)  $\sqrt{6} + \sqrt{2} = \sqrt{5} + \sqrt{3}$   
 (ii)  $\sqrt{6} + \sqrt{2} < \sqrt{5} + \sqrt{3}$   
 (iii)  $\sqrt{6} + \sqrt{2} > \sqrt{5} + \sqrt{3}$   
 (A) (ii) and (iii) (B) (i)  
 (C) (ii) (D) (i) and (iii)

SPACE FOR ROUGH WORK

139. If  $x \cos \theta - \sin \theta = 1$ , then  $x^2 + (1+x^2) \sin \theta$  equals  
 (A) 2 (B) 1 (C) -1 (D) 0
140. A 10 m long ladder is placed against a wall. It is inclined at an angle of  $30^\circ$  to the ground. The distance (in m) of the foot of the ladder from the wall is (Given  $\sqrt{3} = 1.732$ )  
 (A) 8.16 (B) 7.32 (C) 8.26 (D) 8.66
141. If  $\sin \theta + \sin^2 \theta = 1$  then  $\cos^2 \theta + \cos^4 \theta$  is equal to  
 (A) None (B) 1  
 (C)  $\frac{\sin \theta}{\cos^2 \theta}$  (D)  $\frac{\cos^2 \theta}{\sin \theta}$
142. If a clock started at noon, then the angle turned by hour hand at 3.45 PM is  
 (A)  $117 \frac{1}{2}^\circ$  (B)  $104 \frac{1}{2}^\circ$   
 (C)  $97 \frac{1}{2}^\circ$  (D)  $112 \frac{1}{2}^\circ$
143. The numerical value of  $\frac{\cos^2 45^\circ}{\sin^2 60^\circ} + \frac{\cos^2 60^\circ}{\sin^2 45^\circ} - \frac{\tan^2 30^\circ}{\cot^2 45^\circ} - \frac{\sin^2 30^\circ}{\cot^2 30^\circ}$  is  
 (A)  $1 \frac{1}{4}$  (B)  $\frac{3}{4}$   
 (C)  $\frac{1}{4}$  (D)  $\frac{1}{2}$

**Directions :** Study the following bar diagram carefully and answer the following Four Questions.

The number of the production of electronic items (TVs and LCDs) in a factory during the period from 2009 to 2013.

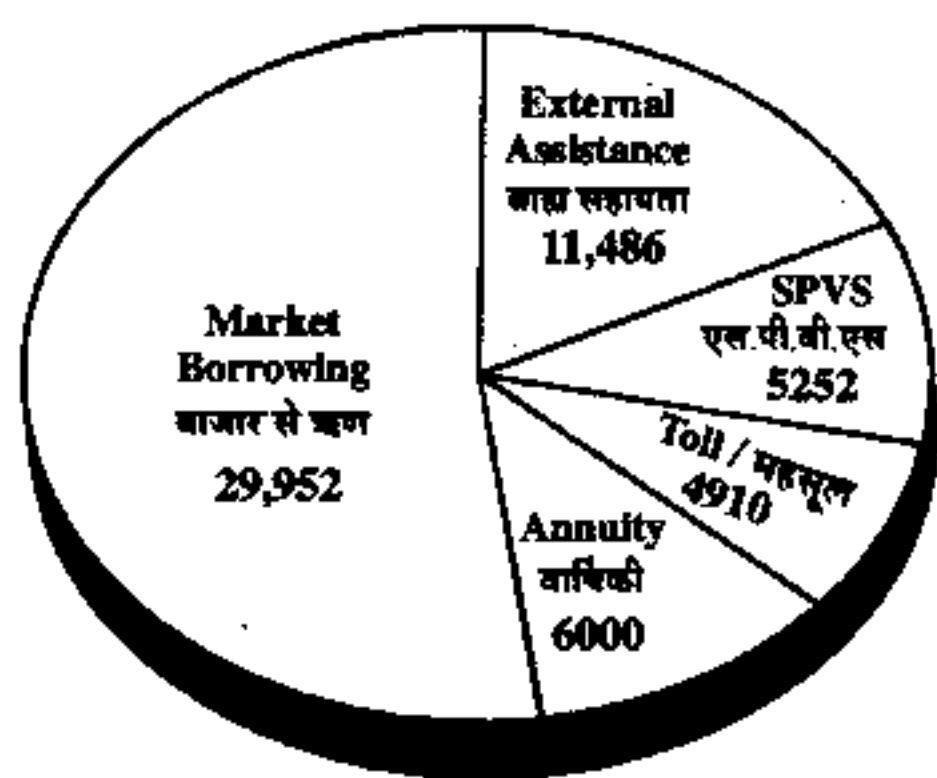


144. The total number of production of electronic items is maximum in the year  
 (A) 2009 (B) 2010  
 (C) 2011 (D) 2013
145. The ratio of production of LCDs in the year 2011 and 2013 is  
 (A) 3:4 (B) 4:3 (C) 2:3 (D) 1:4
146. The difference between averages of production of TVs and LCDs from 2009 to 2012 is  
 (A) 600 (B) 700 (C) 800 (D) 900
147. The ratio of production of TVs in the years 2009 and 2010 is  
 (A) 7:6 (B) 6:7 (C) 2:3 (D) 3:2

SPACE FOR ROUGH WORK

Handwritten calculations for question 146:  
 $2009 \text{ TV } 6000$   
 $2010 \text{ TV } 9000$   
 $2011 \text{ TV } 13000$   
 $2012 \text{ TV } 11000$   
 $\frac{6000 + 9000 + 13000 + 11000}{4} = \frac{49000}{4} = 12250$   
 $2009 \text{ LCD } 7000$   
 $2010 \text{ LCD } 9500$   
 $2011 \text{ LCD } 9000$   
 $2012 \text{ LCD } 10000$   
 $\frac{7000 + 9500 + 9000 + 10000}{4} = \frac{35500}{4} = 8875$   
 $12250 - 8875 = 3375$

The following pie-chart shows the sources of funds to be collected by the National Highways Authority of India (NHAI) for its Phase II projects. Study the pie-chart and answer the following Three Questions:



148. If the toll is to be collected through an outsourced agency by allowing a maximum 10% commission, how much amount should be permitted to be collected by the outsourced agency, so that the project is supported with ₹4,910 crores?  
 (A) ₹6,213 crores (B) ₹5,827 crores  
 (C) ₹5,401 crores (D) ₹5,316 crores
149. If NHAI could receive a total of ₹9,695 crores as External Assistance, by what percent (approximately) should it increase the Market Borrowing to arrange for the shortage of funds?  
 (A) 4.5% (B) 7.5%  
 (C) 6% (D) 8%
150. The central angle corresponding to Market Borrowing is  
 (A)  $52^\circ$  (B)  $137.8^\circ$   
 (C)  $187.2^\circ$  (D)  $192.4^\circ$

For Visually Handicapped/Cerebral Palsy Candidates only

144. Find out the wrong number in the sequence:  
 190, 166, 145, 128, 112, 100, 91  
 (A) 100 (B) 166 (C) 128 (D) 112
145. The largest number of 4 digits which is exactly divisible by 88 is  
 (A) 9000 (B) 9999  
 (C) 9944 (D) 9965
146. If the difference between an external angle of a regular polygon of  $n$  sides and an external angle of another regular polygon of  $(n + 1)$  sides is equal to  $5^\circ$  then the value of  $n$  is  
 (A) 5 (B) 6 (C) 7 (D) 8
147. A bag contains rupee coins, fifty paise coins and twenty five paise coins in the proportion 5:6:8. If the total amount is ₹210, then the number of twenty-five paise coins is  
 (A) 168 (B) 105 (C) 126 (D) 110
148. Three partners A, B, C in a business invested money such that  $6$  (A's capital) =  $8$  (B's capital) =  $10$  (C's capital) then the ratio of their capitals is  
 (A) 3:4:5 (B) 12:15:20  
 (C) 20:15:12 (D) 6:8:10
149. A man covers 120 km of his journey at 60 km/h and the remaining 90 km at 30 km/h. Find the average speed during the journey  
 (A) 35 km/hr (B) 40 km/hr  
 (C) 42 km/hr (D) 45 km/hr
150. If the numerator of a fraction is increased by 20% and its denominator be diminished by 10%, the value of the fraction is  $\frac{16}{21}$ . The original fraction is  
 (A)  $\frac{3}{5}$  (B)  $\frac{4}{7}$  (C)  $\frac{2}{3}$  (D)  $\frac{5}{7}$

SPACE FOR ROUGH WORK

16  
 21

**Part - D**  
**ENGLISH COMPREHENSION**

**Directions :** In the following Five Questions, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error and blacken the circle [●] corresponding to the appropriate correct option. If a sentence is free from error, blacken the circle [●] corresponding to "No Error" in the Answer Sheet.

151. By May next year I have been working in this college for twenty years.  
(A) No error  
(B) By May next year  
 (C) I have been working in this college  
(D) for twenty years.
152. Everyone of us should realize that any act of negligence will cause a great harm to our country's security.  
(A) No error  
(B) Everyone of us should realize that  
 (C) any act of negligence will cause  
(D) a great harm to our country's security.
153. I shall look forward to being with you sometime next month.  
(A) No error  
 (B) I shall look forward  
(C) to being with you  
(D) sometime next month.
154. I really do regret not to learn to play the violin when I had so many opportunities to learn and practice in school.  
(A) No error  
 (B) I really do regret not to learn to play the violin  
(C) when I had so many opportunities  
(D) to learn and practice in school.
155. The government granted relief payments of ₹5,000 each to those who injured in the fire accident.  
 (A) No error  
(B) The government granted  
(C) relief payments of ₹5,000 each  
(D) to those who injured in the fire accident.

**Directions :** In the following Five Questions, sentences 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 circle [●] in the Answer Sheet.

156. He went there \_\_\_\_\_.  
(A) on foot (B) walking on foot  
(C) by foot (D) with foot
157. After your long illness I am happy to see you \_\_\_\_\_.  
 (A) up and round (B) up and about  
(C) by and by (D) up and down
158. You must \_\_\_\_\_ your career with all seriousness.  
 (A) pursue (B) follow  
(C) complete (D) direct
159. Making pies and cakes \_\_\_\_\_ Mrs. Reddy's speciality.  
(A) has (B) are  
(C) were  (D) is
160. The deserted garden was infested \_\_\_\_\_.  
 (A) with (B) for  
(C) into (D) on

**Directions :** In the following Three Questions, 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. Devout  
(A) Pious (B) Solemn  
(C) Loyal (D) Dedicated
162. Predilection  
(A) Preference (B) Favour  
(C) Whim (D) Prejudice
163. Effigy  
(A) Organ  (B) Dummy  
(C) Imagery (D) Reflection

**Directions :** In the following **Three** Questions, choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

164. Tremulous  
(A) Healthy (B) Steady  
(C) Obese (D) Young
165. Fake  
(A) Wrong (B) Fanciful  
(C) Real (D) Ideal
166. Disconsolate  
(A) Prominent (B) Joyous  
(C) Thankful (D) Unprejudiced

**Directions :** In the following **Five** Questions, 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. Their attempt to get back the stolen necklace proved to be a wild goose chase.  
(A) delayed action (B) wise decision  
(C) useless search (D) timely action
168. The day the new product was launched, people made a beeline to purchase it.  
(A) went online (B) rushed  
(C) were doubtful (D) refused
169. At his wit's end, he turned to his old trade.  
(A) Overjoyed  
(B) After careful thinking  
(C) Confidently  
(D) Not knowing what to do
170. When it comes to dancing, he is all-thumbs.  
(A) lazy (B) an expert  
(C) a trainer (D) clumsy
171. He usually goes to bed very early and rises with the lark.  
(A) at midnight (B) very late  
(C) very early (D) after sunrise

**Directions :** In the following **Ten** Questions, a sentence/a part of the sentence is underlined. Below are given alternatives to the underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed blacken the circle [●] corresponding to "**No improvement**".

172. The second pigeon flew just as the first pigeon had flown.  
(A) No improvement  
(B) one had done  
(C) one had flown away  
(D) had done
173. The old man has acquired experience through age.  
(A) No improvement  
(B) developed experience  
(C) experienced  
(D) got experience
174. Water and soil pollutants find their entry into the body through ingestion of contaminated water or food.  
(A) No improvement  
(B) digestion of contaminated  
(C) injection of contaminated  
(D) passage of contaminated
175. He lives far from the station.  
(A) No improvement  
(B) away from the station  
(C) a long way from the station  
(D) off the station
176. Mumbai is famous because of its textiles.  
(A) No improvement (B) at  
(C) in (D) for
177. They spoke about the weather.  
(A) No improvement (B) said  
(C) talked (D) expressed
178. Mr. Mukherjee knows ten languages, isn't it?  
(A) No improvement  
(B) doesn't Mr. Mukherjee  
(C) hasn't he  
(D) doesn't he
179. It's high time that you go home.  
(A) No improvement (B) are going  
(C) went (D) gone
180. Drinking tea is an English habit.  
(A) No improvement (B) tradition  
(C) convention (D) custom
181. He is wanting in a little common sense.  
(A) No improvement (B) lacks  
(C) is lacking in (D) needs some



**Directions :** In the following Seven Questions, out of the four alternatives, choose the one which can be substituted for the given words/sentences and indicate it by blackening the appropriate circle [●] in the Answer Sheet.

182. Medical study of skin and its diseases.  
 (A) Orthopaedics (B) Dermatology  
 (C) Endocrinology (D) Gynaecology
183. A process involving too much official formality.  
 (A) Nepotism (B) Diplomacy  
 (C) Bureaucracy (D) Red-tapism
184. A person who enters without any invitation.  
 (A) Vandal (B) Burglar  
 (C) Intruder (D) Thief
185. Not suitable for eating  
 (A) Spicy (B) Tasteless  
 (C) Uneatable (D) Inedible
186. A recurrent compulsive urge to steal.  
 (A) Kleptomania (B) Pneumonia  
 (C) Insomnia (D) Nymphomania
187. Act of injuring another's reputation by any slanderous communication.  
 (A) Defamation  
 (B) Orchestration  
 (C) Assassination  
 (D) Misrepresentation
188. A story in which animals or objects speak and give wholesome moral lesson.  
 (A) Legend (B) Fable  
 (C) Parable (D) Allegory

**Directions :** In the following Two Questions, 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) Fasimmile (B) Facsimile  
 (C) Facsimilee (D) Fasimile
190. (A) Aquarim (B) Acquarium  
 (C) Aquarium (D) Acquerium

RK-2015

**Directions :** In the following Ten Questions, you have two 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 circle [●] in the Answer Sheet.

**PASSAGE - I (5 Questions)**

The instinctive, natural way to express anger is to respond aggressively. Anger is a natural, adaptive response to threats; it inspires powerful, often aggressive, feelings and behaviours, which allow us to fight and to defend ourselves when we are attacked. On the other hand, we can't physically lash out at every person or object that irritates or annoys us; laws, social norms and common sense place limits on how far our anger can take us. People use a variety of both conscious and unconscious processes to deal with their angry feelings. The three main approaches are expressing, suppressing and calming. Expressing your angry feelings in an assertive - not aggressive - manner is the healthiest way to express anger. Being assertive doesn't mean being pushy or demanding; it means being respectful of yourself and others. Anger can be suppressed and then converted or redirected. This happens when you hold in your anger, stop thinking about it and focus on remaining positive.

191. What does the author mean by being assertive?  
 (A) Being calm (B) Being pushy  
 (C) Being demanding (D) Being respectful
192. How, according to the author, can one suppress anger?  
 (A) By redirecting anger.  
 (B) By holding one's anger.  
 (C) By thinking about one's anger.  
 (D) By converting anger.
193. How does a person naturally express anger?  
 (A) By adapting strong behaviour.  
 (B) By inspiring powerful feelings.  
 (C) By responding aggressively.  
 (D) By defending oneself.
194. Which one of the following places limits on how far we can take our anger?  
 (A) Law (B) Behaviour  
 (C) Feelings (D) Instinct
195. According to the author, how should people deal with their anger?  
 (A) Expressing unconsciously  
 (B) Express it assertively  
 (C) Express it aggressively  
 (D) Expressing consciously

**PASSAGE – II (5 Questions)**

The crowd surged forward through the narrow streets of Paris. There was a clatter of shutters being closed hastily by trembling hands – the citizens of Paris knew that once the fury of the people was excited there was no telling what they might do. They came to an old house which had a workshop on the ground floor. A head popped out of the door to see what it was all about “Get him! Get Thimonier! Smash his devilish machines!” yelled the crowd.

They found the workshop without its owner. M. Thimonier had escaped by the back door. Now the fury of the demonstrators turned against the machines that were standing in the shop, ready to be delivered to buyers. They were systematically broken up and destroyed – dozens of them. Only when the last wheel and spindle had been trampled under foot did the infuriated crowd recover their senses.

“That is the end of M’Sieur Thimonier and his sewing machines,” they said to one another and went home satisfied. Perhaps now they would find work, for they were all unemployed tailors and seamstresses who believed that their livelihood was threatened by that new invention.

196. The people thought that  
(A) they would be deprived of their livelihood.  
(B) their lives were in danger.  
(C) Thimonier was mad.  
(D) the sewing machine was dangerous.
197. Shutters were being closed because the shopkeepers  
(A) wanted to support the crowd.  
(B) wanted to attack the crowd.  
(C) wanted to protect Thimonier.  
(D) feared their shops would be destroyed.
198. The passage throws light on  
(A) how dangerous an invention can be.  
(B) why inventions should be avoided.  
(C) how a well-meant invention can be misunderstood.  
(D) what mischief an inventor can do to ordinary people.
199. The crowd was protesting against  
(A) Thimonier for keeping the invention a secret.  
(B) the closings of workshops.  
(C) the misdoings of Thimonier.  
(D) the newly invented sewing machine.
200. The aim of the crowd was to  
(A) destroy the sewing machines  
(B) kill Thimonier  
(C) drive Thimonier away  
(D) humiliate Thimonier

## MANNER IN WHICH ANSWERS ARE TO BE GIVEN

### उत्तर देने की विधि

**Directions :** Each question or incomplete statement is followed by four alternative suggested answers or completions. In each case, you are required to select the one that correctly answers the question or completes the statement and blacken [●] appropriate circle A, B, C or D by **Black/Blue Ball-Point Pen** against the question concerned in the Answer-Sheet.

(For V.H. and cerebral palsy candidates corresponding circle will be blackened by the scribe.)

The following example illustrates the manner in which the questions are required to be answered.

**Example :**

**Question No. 'Q' –**

Out of the four words given below, three are alike in some way and one is different. Find the **ODD** word :

- (A) Girl
- (B) Boy
- (C) Woman
- (D) Chair

**Explanation :** In the above example, the correct answer is 'Chair' and this answer has been suggested at 'D'. Accordingly, the answer is to be indicated by blackening [●] the circle by Black/Blue Ball-Point Pen in column 'D' against Question No. 'Q' in the manner indicated below :

**Question No. 'Q'**

[A] [B] [C] [●]

There is only one correct answer to each question. You should blacken [●] the circle of the appropriate column, viz., A, B, C or D. If you blacken [●] more than one circle against any one question, the answer will be treated as wrong. Any change/correction in the responses or use of correcting fluid is prohibited.

You are **NOT** required to mark your answers in this Booklet. All answers must be indicated in the Answer-Sheet only.

**निर्देश :** प्रत्येक प्रश्न अथवा प्रत्येक अधूरे कथन के बाद चार उत्तर अथवा पूरक कथन सुझाए गए हैं। प्रत्येक दशा में आपको किसी एक को चुनना है जो प्रश्न का सही उत्तर दे अथवा कथन को पूरा करे और आपको उत्तर-पत्रिका में उपयुक्त गोलाकार खाने A, B, C या D को काले/नीले बॉल-पॉइन्ट पेन से काला [●] करना है।

(दृष्टिबाधित तथा सेरिब्रल पाल्सी उम्मीदवारों के लिए संगत गोलाकार लिपिक द्वारा काला किया जाए।)

नीचे दिए गए उदाहरण से स्पष्ट हो जाएगा कि उत्तर किस प्रकार दिए जाने हैं।

**उदाहरण :**

**प्रश्न सं. 'क्यू' –**

नीचे दिए हुए चार शब्दों में तीन कुछ मिलते-जुलते हैं तथा एक कुछ अलग किस्म का है। वह अलग किस्म का शब्द बताएँ :

- (A) लड़की
- (B) लड़का
- (C) महिला
- (D) कुर्सी

**स्पष्टीकरण :** ऊपर के उदाहरण में सही उत्तर 'कुर्सी' है और यह उत्तर 'D' में सुझाया गया है। अतः प्रश्न सं. 'क्यू' के सामने कॉलम 'D' के गोलाकार खाने को काले/नीले बॉल-पॉइन्ट पेन से पूर्णतया काला [●] करके उत्तर नीचे बताई विधि के अनुसार दिया जाना है :

**प्रश्न सं. 'क्यू'**

[A] [B] [C] [●]

प्रत्येक प्रश्न का केवल एक ही सही उत्तर है। आपको समुचित कॉलम अर्थात् A, B, C या D के गोलाकार खाने को काला [●] करना है। यदि आप किसी प्रश्न के सामने एक से अधिक गोलाकार खाने को भरेंगे [●] तो आपका उत्तर ग़लत माना जाएगा। उत्तर में किसी भी तरह का फेरबदल या करेक्टिंग फ्लुइड का उपयोग वर्जित है।

इस पुस्तिका के अन्दर आपको उत्तर अंकित नहीं करने हैं। उत्तर केवल उत्तर-पत्रिका में ही दें।

RK-2015

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