

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

- 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 language, 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 (1-32) 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 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.)
  - 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. 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. 32), 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 V.H. and 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 if in 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."
- 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 : परिमाणपापक अभिरति (50 प्रश्न)  
भाग-घ : अंग्रेजी परिभाषा (50 प्रश्न)
  - अंग्रेजी और हिन्दी भाषा में तैयार किए गए द्विभाषी प्रश्नों में कोई विसंगति होने की स्थिति में अंग्रेजी 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 कटटा जाएगा।
  - प्रश्नों के उत्तर देने से पहले आप इस पुस्तिका का जाँच करके देख लें कि इसमें पृष्ठ (1-32) है 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।
  - निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जाएगी। उत्तर-पत्रिका में निम्नलिखित की अनुसूची प्रश्नसूचीक अपना नाम, रोल नम्बर, टिकट नम्बर और टेस्ट फॉर्म संख्या अवश्य लिखें। प्रश्नों के उत्तर वास्तव में ब्लू कलम से पहले उत्तर-पत्रिका पर निर्धारित स्थान में आप अपने हस्ताक्षर एवं बाँध हाथ के अंगूठे का निशान भी अवश्य लगाएँ। उपर्युक्त अनुसूची का पूरा तहक अन्यायन किया जाए, अन्यथा आपको उत्तर-पत्रिका को जीभा नहीं लगाया और 'न्यून' अंक दिया जाएगा। (दृष्टिबाधित और सेरिब्रल पाल्सी उम्मीदवार सुनिश्चित कर कि यह विवरण लिपिक द्वारा भरा जाए। परन्तु सभी दृष्टिबाधित और सेरिब्रल पाल्सी उम्मीदवार उत्तर-पत्रिका में निर्धारित स्थान पर अपने बाँध हाथ के अंगूठे का निशान अवश्य लगाएँ। जो दृष्टिबाधित और सेरिब्रल पाल्सी उम्मीदवार हस्ताक्षर कर सकते हैं, वे अंगूठे का निशान के अलावा अपने हस्ताक्षर भी कर दें।)
  - उत्तर-पत्रिका में सभी उत्तर Side-II में प्रश्न संख्या के समाने दिये गये सम्बन्धित गोलचक्र खानों को केवल काले/नीले बॉल-पॉइंट पेन से पूरा करके काला करके दिखाएँ। जो गोलचक्र खाने काले/नीले बॉल-पॉइंट पेन से नहीं भरे जायें, उनके लिए कोई अंक नहीं दिया जाएगा।
  - ओ.एम.आर. उत्तर-पत्रिका में घड़ी बंद सूचना को एक मशीन पढ़ेगी। यदि सूचना अपूर्ण है अथवा आवेदन पत्र में दी गई सूचना से भिन्न है, तो इसे अन्यायी को 'न्यून' अंक दिया जाएगा।
  - परीक्षा-मंचन छोड़ने से पहले परीक्षार्थी को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए।
  - उपर 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।
  - निम्न प्रश्नों के उत्तर देने की विधि प्रश्न के तहत (पृष्ठ संख्या 32) में दी गई है।
  - 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 और सेरिब्रल पाल्सी उम्मीदवारों द्वारा हस्त लिख जाने के लिए वैकल्पिक प्रश्न दिए गए हैं।
  - कोई रफ़ कार्य उत्तर-पत्रिका पर नहीं करना है। रफ़ कार्य के लिए पृष्ठान प्रश्नों के नीचे दिया गया है।
  - "परीक्षा हॉल/कमरा में मोबाइल फोन तथा बेतार संचार साधन पूरा तरह निषिद्ध हैं। प्रत्याभित्ति को उनके अतिरिक्त दिये गए नियमों में भी शामिल है कि मोबाइल फोन/किसी अन्य बेतार संचार साधन को निविच ऑफ करके भी अपने पास न रखें। इस प्रावधान का अनुपालन न करने को परीक्षा में अनर्थाकृत उपचार का प्रयोग माना जाएगा और उनके विरुद्ध कार्यवाई की जाएगी, उनको अभ्यर्थाकृत रद्द कर देने सहित।"

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



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

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

1.  $\begin{matrix} 7 & 5 & 3 \\ 8 & 4 & 9 \\ 2 & 8 & ? \\ 112 & 160 & 162 \end{matrix}$   
(A) 4 (B) 6 (C) 8 (D) 12

2.  $\begin{matrix} (7) \\ (137) \quad (8) \quad (2) \end{matrix}$

- (A) 97 (B) 907 (C) 1097 (D) 9107

3.  $\begin{matrix} \begin{matrix} 14 & 12 \\ 7 & 3 \\ 36 & \end{matrix} & \begin{matrix} 9 & 11 \\ 16 & ? \\ 54 & \end{matrix} \end{matrix}$   
(A) 12 (B) 17 (C) 18 (D) 16

4.  $\begin{matrix} 9 & 11 & 13 \\ 13 & 15 & 17 \\ 10 & 12 & 14 \\ 14 & 16 & 18 \\ 11 & 13 & ? \end{matrix}$   
(A) 22 (B) 14 (C) 15 (D) 21

5.  $\begin{matrix} \begin{matrix} 3 & 2 \\ 4 & 24 \end{matrix} & \begin{matrix} 2 & -1 \\ -2 & 4 \end{matrix} & \begin{matrix} 6 & 5 \\ 0 & ? \end{matrix} \end{matrix}$   
(A) 30 (B) 11 (C) 0 (D) 1

6. 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) 2200 (B) 500 (C) 0 (D) 600

7. 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) 2 km (B) 4 km (C) 5 km (D) 6 km

**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.

8. **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.

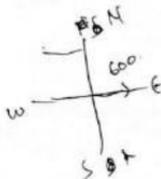
- (A) Only I follows  
(B) Only II follows  
(C) Neither I nor II follows  
(D) Both I and II follow
9. **Statement :** Aggressive animals can be trained with care and affection to behave as the occasion demands.

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

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

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

**SPACE FOR ROUGH WORK**



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

10. 2 : 32 :: 3 : ?  
 (A) 243 (B) 293 (C) 183 (D) 143
11.  $D \times H : 4 \times 8$  as  $M \times Q : ?$   
 (A)  $12 \times 17$  (B)  $12 \times 16$   
 (C)  $13 \times 17$  (D)  $14 \times 18$
12. Haematology : Blood :: Phycology : ?  
 (A) Fungi (B) Fishes  
 (C) Algae (D) Diseases
13. Pride of Lions :: \_\_\_\_\_ of cats  
 (A) Herd (B) School  
 (C) Clowder (D) Bunch
14. MAN : PDQ :: WAN : ?  
 (A) ZDQ (B) NAW (C) YQD (D) YDQ
15. AEFJ : KOPT :: ? : QUVZ  
 (A) GLKP (B) GKLP  
 (C) HLKP (D) HKQL

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

16. (A) 4025 (B) 7202  
 (C) 6023 (D) 5061
17. (A) 96 : 80 (B) 64 : 48  
 (C) 80 : 60 (D) 104 : 78
18. (A) Morning (B) Noon  
 (C) Evening (D) Night
19. (A) Liberty (B) Society  
 (C) Equality (D) Fraternity
20. (A) DWFU (B) EVHS  
 (C) HSKP (D) KQNN
21. (A) CBEF (B) EDGH  
 (C) IHKL (D) GFHJ

22. Choose the correct alternative to complete the series.

Lily, Daisy, Datura, ?  
 (A) Sun Flower (B) Hibiscus  
 (C) Marigold (D) Jasmine

23. 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) 5, 3, 1, 2, 4 (B) 1, 3, 5, 4, 2  
 (C) 3, 2, 4, 1, 5 (D) 2, 5, 1, 4, 3

**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?

24. ccbab \_ caa \_ bccc \_ a \_  
 (A) babb (B) bbba (C) baab (D) babc
25. a \_ \_ dba \_ \_ bcad \_ \_ da \_ \_ cd  
 (A) bccdbcab (B) abcdcbca  
 (C) cbccdcba (D) aabbcddd

**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.

26. 4, 6, 10, 16, 24, ?  
 (A) 28 (B) 30 (C) 34 (D) 40
27. 3, 5, 9, 17, ?  
 (A) 26 (B) 65 (C) 33 (D) 42
28. 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) 16 km (B) 18 km  
 (C) 21 km (D) 24 km
29. 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) 45 (B) 44 (C) 54 (D) 34

SPACE FOR ROUGH WORK

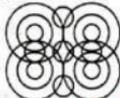
$2 \sqrt{32} = \frac{1}{2}$  21  
 96  
 11 48 + 3  
 144

30. 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) height (B) struggle  
(C) straight (D) strength
31. In a certain code "MOUSE" is written as "PRUQC". How is "SHIFT" written in that code?  
(A) VJIDR (B) VIKRD  
(C) RKIVD (D) VKIDR
32. 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) 2 (B) 4 (C) 5 (D) 6
33. 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) A (B) B (C) D (D) G
34. From the given alternative words, select the word which cannot be formed using the letters of the given word: CUMBERSOME  
(A) MOUSE (B) SOBER  
(C) ROME (D) MERCY
35. 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) S (B) B (C) H (D) C
36. 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) 6 1 4 3 2 5 8 7 9 10  
(B) 3 1 5 7 10 4 2 6 9 8  
(C) 3 9 4 2 8 10 5 1 7 6  
(D) 2 1 3 4 6 8 9 7 5 10

37. If, + stands for division;  $\times$  stands for addition; - stands for multiplication; + stands for subtraction, which of the following is correct?  
a.  $46 \times 6 + 4 - 5 + 3 = 74$   
b.  $46 - 6 + 4 \times 5 + 3 = 71$   
c.  $46 + 6 \times 4 - 5 + 3 = 75.5$   
d.  $46 \times 6 - 4 + 5 + 3 = 70.1$   
(A) d (B) b (C) a (D) c
38. If  $+ = \times$ ,  $- = +$ ,  $\times = +$ ,  $+ = -$ , then which is the correct equation out of the following?  
(A)  $18 + 6 + 4 - 2 + 3 = 22$   
(B)  $18 + 6 - 4 \times 2 + 3 = 26$   
(C)  $18 \times 6 - 4 + 7 \times 8 = 47$   
(D)  $18 - 6 \times 7 + 2 + 8 = 63$
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

CB UNSC  
E-35

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

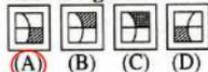
44. In the fig:  
 Q represents all quadrilaterals  
 K represents all Kites  
 R represents all Rhombus  
 P represents all Parallelogram  
 The statement 'Rhombus is also a Kite' can be described as  
 (A) P and K is nothing but R  
 (B) P or K is nothing but R  
 (C) P and R is nothing but K  
 (D)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



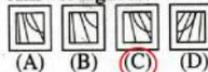
Answer figures:



46. Question figure:



Answer figures:

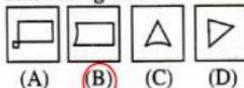


47. From the given answer figures, select the one which is hidden/embedded in the question figure:

Question figure:



Answer figures:

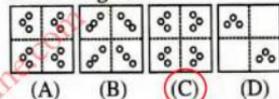


48. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figure:



Answer figures:

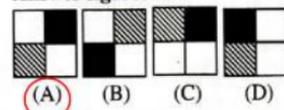


49. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

Question figure:



Answer figures:



SPACE FOR ROUGH WORK

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

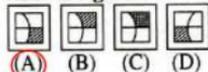
44. In the fig:  
 Q represents all quadrilaterals  
 K represents all Kites  
 R represents all Rhombus  
 P represents all Parallelogram  
 The statement 'Rhombus is also a Kite' can be described as  
 (A) P and K is nothing but R  
 (B) P or K is nothing but R  
 (C) P and R is nothing but K  
 (D)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



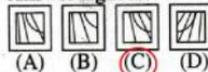
Answer figures:



46. Question figure:



Answer figures:

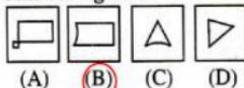


47. From the given answer figures, select the one which is hidden/embedded in the question figure:

Question figure:



Answer figures:

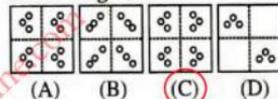


48. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figure:



Answer figures:

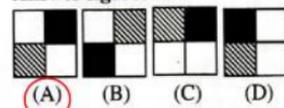


49. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

Question figure:



Answer figures:



SPACE FOR ROUGH WORK

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

51. Gross National Product - Depreciation Allowance=?  
(A) Gross Domestic Product  
(B) Personal Income  
(C) Net National Product  
(D) Per Capita Income
52. The Panchayat Samiti remains accountable for its functions to  
(A) The Gram Panchayats and Gram Sabhas  
(B) Zilla Parishads  
(C) Anchal Panchayats  
(D) Janpad Panchayats
53. The legislature gains a priority over the executive in  
(A) A Federal Government  
(B) An Authoritarian Government  
(C) A Parliamentary Government  
(D) A Presidential Government
54. Equilibrium price in the market is determined by the  
(A) equality between total cost and total revenue.  
(B) equality between average cost and average revenue.  
(C) equality between marginal cost and marginal revenue.  
(D) equality between marginal cost and average cost.
55. In the national context which of the following indicates Macro Approach ?  
(A) Sales of Bata Shoe Company  
(B) Exports of Mangoes to U.K.  
(C) Income from Railways.  
(D) Inflation in India.
56. Internal economies  
(A) arise in an economy as it makes progress.  
(B) accrue to a firm when it expands its output.  
(C) arise when there is expansion in internal trade.  
(D) arise when there is expansion in an industry.
57. One of the features of a free market economy is  
(A) public ownership of factors of production  
(B) rationing and price control  
(C) consumer's sovereignty  
(D) active state intervention
58. In 1939 Subhash Chandra Bose was elected as President of the Congress Party defeating  
(A) Jawaharlal Nehru  
(B) Maulana Abul Kalam Azad  
(C) V.B. Patel  
(D) Pattabhi Sitharamayya
59. Jallianwala incident took place at  
(A) Lucknow (B) Surat  
(C) Amritsar (D) Allahabad
60. Who was the founder of Lodhi dynasty ?  
(A) Sikandar Lodhi  
(B) Bahlol Lodhi  
(C) Ibrahim Lodhi  
(D) Daulat Khan Lodhi
61. Which one of the following pair is not correctly matched ?  
(A) Akbar - Todarmal  
(B) Chanakya - Chandragupta  
(C) Vikramaditya - Chaitanya  
(D) Harshvardhan - Hiuen Tsang
62. The legislature in a democratic country can influence public opinion by  
(A) Granting rights  
(B) Enacting non-controversial laws  
(C) Defining the duties of the citizens  
(D) Focusing attention on public issues
63. If the President wants to resign from his office, he may do so by writing to the  
(A) Vice President  
(B) Chief Justice of India  
(C) Prime Minister  
(D) Speaker of Lok Sabha
64. Which of the following is not a Union Territory ?  
(A) Lakshadweep  
(B) Puducherry  
(C) Nagaland  
(D) Dadra and Nagar Haveli
65. The greatest king of the Pratihara dynasty was  
(A) Bhoj (Mihir-Bhoj)  
(B) Dantidurga  
(C) Nagbhata II  
(D) Vatsaraj

66. The longest continental Railway in the world is  
 (A) Trans Siberian Railway  
 (B) Canadian Pacific Railway  
 (C) Canadian National Railway  
 (D) Trans Atlantic Railway
67. Photoperiodism affects  
 (A) Flowering  
 (B) Vegetative growth  
 (C) Fruiting  
 (D) All of these
68. 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 2 1 3 |                           |  |
| (B)                     | 2 4 1 3 |                           |  |
| (C)                     | 4 1 3 2 |                           |  |
| (D)                     | 4 1 2 3 |                           |  |
69. The South-East trade winds are attracted towards the Indian sub-continent in the rainy season due to  
 (A) the effect of easterlies  
 (B) the effect of Northern-East trade winds  
 (C) the presence of low atmospheric pressure over North-West India  
 (D) the development of cyclone over the equator
70. The 'graded profile' of a river course is a  
 (A) smooth curve in the upper course.  
 (B) smooth curve in the middle course.  
 (C) smooth curve in the lower course.  
 (D) smooth curve from source to mouth.
71. Sink hole is a phenomenon of \_\_\_\_\_ topography.  
 (A) Desert (B) Tundra  
 (C) Karst (D) Plain
72. Kerala is famous for the cultivation of  
 1. Coconut 2. Black-pepper  
 3. Rubber 4. Rice  
 (A) 1, 2 and 4 (B) 2, 3 and 4  
 (C) 1 and 4 (D) 1, 2 and 3
73. It is easy to burst a gas-filled balloon with a needle than with a nail. It is because  
 (A) nail exerts more pressure than needle on the balloon.  
 (B) needle exerts more pressure than nail on the balloon.  
 (C) gas is reactive with the needle.  
 (D) nail is more longer than needle.
74. The velocity of sound in moist air is more than in dry air because the moist air has  
 (A) less pressure than dry air.  
 (B) more pressure than dry air.  
 (C) more density than dry air.  
 (D) less density than dry air.
75. X-rays can be used  
 (A) to detect heart diseases.  
 (B) to detect defects in precious stones and diamonds.  
 (C) to detect gold under the earth.  
 (D) for cutting and welding of metals.
76. Ice is packed in saw dust because  
 (A) saw dust is poor conductor of heat.  
 (B) saw dust is a good conductor of heat.  
 (C) saw dust does not stick to the ice.  
 (D) saw dust will not get melted easily.
77. What is used to identify whether a data word has an odd or even number of 1's ?  
 (A) Sign bit (B) Zero bit  
 (C) Parity bit (D) Carry bit
78. Allantois of Embryo helps in  
 (A) respiration (B) excretion  
 (C) protection (D) digestion
79. Which one of the following animals belongs to mollusca ?  
 (A) Hare (B) Hydra  
 (C) Hyla (D) Haliotis
80. Outside the nucleus DNA is found in  
 (A) Mitochondria  
 (B) Ribosome  
 (C) Endoplasmic reticulum  
 (D) Golgi bodies
81. Animal protein is called first class protein because it is  
 (A) delicious in taste  
 (B) cheaper in the market  
 (C) rich in essential amino acids  
 (D) easily digestible

82. Hydrogen peroxide is an effective sterilizing agent. Which one of the following product results when it readily loses active oxygen?  
 (A) Water  
 (B) Hydrogen  
 (C) Ozone  
 (D) Nasant Hydrogen
83. The maximum fixation of solar energy is done by  
 (A) Bacteria (B) Fungi  
 (C) Green plants (D) Protozoa
84. The term 'brown air' is used for  
 (A) Photochemical smog  
 (B) Sulfurous smog  
 (C) Industrial smog  
 (D) Acid fumes
85. Which of the following is FALSE with respect to rain water harvesting?  
 (A) It helps raising water table.  
 (B) It helps meet rising water demand.  
 (C) It increases run-off losses.  
 (D) It is a device of water conservation.
86. Peroxyacetyl nitrate is a  
 (A) Plant hormone  
 (B) Vitamin  
 (C) Secondary pollutant  
 (D) Acidic dye
87. Which of the following river does not originate in Indian territory?  
 (A) Mahanadi (B) Brahmaputra  
 (C) Satluj (D) Ganga
88. Rearranging and allocating space in memory to provide for multiple computing tasks is called  
 (A) Multiprogramming  
 (B) Multitasking  
 (C) Memory Management  
 (D) Networking
89. What happens when a drop of glycerol is added to crushed  $\text{KMnO}_4$  spread on a paper?  
 (A) There is a violent explosion.  
 (B) There is no reaction.  
 (C) The paper ignites.  
 (D) There is a crackling sound.
90. Most commonly used bleaching agent is  
 (A) Alcohol (B) Carbon dioxide  
 (C) Chlorine (D) Sodium chloride
91. The least penetrating power ray is  
 (A)  $\alpha$ -Ray (B)  $\beta$ -Ray  
 (C)  $\gamma$ -Ray (D) X-Ray
92. The ship building yard-Mazgaon Dock is located at  
 (A) Kochi (B) Kolkata  
 (C) Mumbai (D) Vishakhapatnam
93. Electric current is measured using which of the following instrument?  
 (A) Voltmeter (B) Anemometer  
 (C) Wattmeter (D) Ammeter
94. 'Agha Khan Cup' is related with which of the following sport event?  
 (A) Cricket (B) Hockey  
 (C) Table Tennis (D) Football
95. Where was the first conference of SAARC (South Asian Association for Regional Cooperation) held?  
 (A) Dhaka (B) New Delhi  
 (C) Colombo (D) Kathmandu
96. Which among the following is not a Bretton Woods Institution?  
 (A) International Monetary Fund (I.M.F.)  
 (B) World Bank  
 (C) Organisation of Economic Cooperation and Development (O.E.C.D.)  
 (D) None of these
97. To whom the line 'A thing of beauty is a joy for ever' is attributed?  
 (A) John Keats  
 (B) Dr. Charles Dickens  
 (C) Dr. Jonathan Swift  
 (D) William Wordsworth
98. The birthday of which of the following leaders is celebrated as 'Teachers Day' in India?  
 (A) Dr. Rajendra Prasad  
 (B) S. Radhakrishnan  
 (C) C. Rajgopalachari  
 (D) Lala Lajpat Rai
99. The award given for outstanding performance in sports is  
 (A) Bharat Ratna  
 (B) Padma Shri Award  
 (C) Arjuna Award  
 (D) Dronacharya Award
100. Which hill station's name means 'place of the thunderbolt'?  
 (A) Shillong (B) Ootacamund  
 (C) Darjeeling (D) Gangtok

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

101. 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) 18 minutes (B) 14 minutes  
 (C) 15 minutes (D) 30 minutes
102. The perimeter of one face of a cube is 20 cm. Its volume will be  
 (A)  $100 \text{ cm}^3$  (B)  $125 \text{ cm}^3$   
 (C)  $400 \text{ cm}^3$  (D)  $625 \text{ cm}^3$
103. If the area of a circle is A, radius of the circle is r and circumference of it is C, then  
 (A)  $rC = 2A$  (B)  $\frac{C}{A} = \frac{r}{2}$   
 (C)  $AC = \frac{r^2}{4}$  (D)  $\frac{A}{r} = C$
104. 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) 4, 12, 12, 20 (B) 5, 11, 13, 19  
 (C) 6, 10, 14, 18 (D) 9, 7, 15, 17
105. The least number that should be added to 2055, so that the sum is exactly divisible by 27:  
 (A) 24 (B) 27 (C) 31 (D) 28
106. 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) 12 (B) 9 (C) 15 (D) 10
107. 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)  $x - y$  (B)  $y - x$   
 (C)  $\frac{xy}{x - y}$  (D)  $\frac{xy}{y - x}$
108. 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) 70 years (B) 50 years  
 (C) 40 years (D) 60 years
109. 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) 60 ml (B) 71 ml  
 (C) 52 ml (D) 81 ml
110. 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)  $\frac{16x}{\pi + 4}$  (B)  $\frac{2x}{\sqrt{\pi}}$   
 (C)  $\frac{\sqrt{5}x}{\sqrt{2}}$  (D)  $\sqrt{2}x$
111. 10% discount and then 20% discount in succession is equivalent to total discount of  
 (A) 15% (B) 30%  
 (C) 24% (D) 28%
112. 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) 12% (B) 14% (C) 15% (D) 18%
113. Allowing 20% and 15% successive discounts, the selling price of an article becomes ₹3,060; then the marked price will be  
 (A) ₹4,400 (B) ₹5,000  
 (C) ₹4,500 (D) ₹4,000

SPACE FOR ROUGH WORK

Handwritten calculations and notes:

$A+B=6$   
 $B=A=18$   
 $0.18 \times 2079$   
 $6200$   
 $A=18$   
 $B=12$   
 $D=9$

$9 \times 7$   
 $27 + 7 = 9$   
 $220$   
 $96$

$20\%$   
 $100$   
 $90$   
 $100$   
 $23$   
 $320$

$100$   
 $700$   
 $648$   
 $550$

114. 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) 17 km (B) 16 km  
 (C) 15 km (D) 14 km
115. 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) 35 min. (B) 40 min.  
 (C) 45 min. (D) 50 min.
116. 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) 65 (B) 66 (C) 43 (D) 67
117. What is the Arithmetic mean of the first 'n' natural numbers?  
 (A)  $\frac{n+1}{2}$  (B)  $\frac{n^2(n+1)}{2}$   
 (C)  $2(n+1)$  (D)  $\frac{n(n+1)}{2}$
118. 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) ₹510 (B) ₹525  
 (C) ₹485 (D) ₹450
119. The population of a town increases by 5% every year. If the present population is 9261, the population 3 years ago was  
 (A) 5700 (B) 6000  
 (C) 7500 (D) 8000
120.  $2x - ky + 7=0$  and  $6x - 12y + 15=0$  has no solution for  
 (A)  $k = -4$  (B)  $k = 4$   
 (C)  $k = 1$  (D)  $k = -1$
121. 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) (i) (B) (ii)  
 (C) (i) and (iii) (D) (ii) and (iii)
122. 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)  $12\frac{1}{2}$  years (B) 8 years  
 (C)  $10\frac{2}{3}$  years (D) 16 years
123. The length of the portion of the straight line  $3x + 4y = 12$  intercepted between the axes is  
 (A) 3 (B) 4 (C) 7 (D) 5
124. 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) 0 (B) 1  
 (C) 5 (D) 7
125. If  $m = -4$ ,  $n = -2$ , then the value of  $m^3 - 3m^2 + 3m + 3n + 3n^2 + n^3$  is  
 (A) 124 (B) -124  
 (C) 126 (D) -126

SPACE FOR ROUGH WORK

$$\begin{array}{r} 400 \\ 5515 \\ \hline 510 \end{array}$$

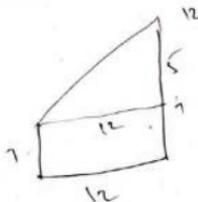
$$\begin{array}{r} 2100 \\ 1415 \\ \hline 2515 \\ 1415 \end{array}$$

$$\begin{array}{r} 7075 + 20 \\ 707.5 + 2 \\ \hline 14150 \end{array}$$

$$\begin{array}{r} 805 + 5 \\ \hline 425 \\ 80 \cdot 425 \\ - 12 - 6 + 1/2 \\ \hline 78 \\ 48 \end{array}$$

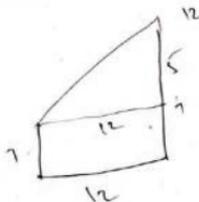
126. The sides of a triangle having area 7776 sq. cm are in the ratio 3:4:5. The perimeter of the triangle is  
 (A) 400 cm (B) 412 cm  
 (C) 424 cm (D) 432 cm
127. Two chords of length  $a$  unit and  $b$  unit of a circle make angles  $60^\circ$  and  $90^\circ$  at the centre of a circle respectively, then the correct relation is  
 (A)  $b = \sqrt{2}a$  (B)  $b = 2a$   
 (C)  $b = \sqrt{3}a$  (D)  $b = \frac{3}{2}a$
128. In a parallelogram PQRS, angle P is four times of angle Q, then the measure of  $\angle R$  is  
 (A)  $36^\circ$  (B)  $72^\circ$  (C)  $130^\circ$  (D)  $144^\circ$
129. If  $x = 332$ ,  $y = 333$ ,  $z = 335$ , then the value of  $x^3 + y^3 + z^3 - 3xyz$  is  
 (A) 7000 (B) 8000  
 (C) 9000 (D) 10000
130. If  $2 + x\sqrt{3} = \frac{1}{2 + \sqrt{3}}$ , then the simplest value of  $x$  is  
 (A) 1 (B) -2 (C) 2 (D) -1
131. 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)  $a^2 + b^2$  (B)  $a^2 + b^2 + c^2$   
 (C)  $a^2 - b^2 - c^2$  (D)  $a^2 + b^2 - c^2$
132. The measure of an angle whose supplement is three times as large as its complement, is  
 (A)  $30^\circ$  (B)  $45^\circ$  (C)  $60^\circ$  (D)  $75^\circ$
133. The maximum value of  $\sin^4\theta + \cos^4\theta$  is  
 (A) 1 (B) 2 (C) 3 (D)  $\frac{1}{3}$
134. Find the value of  $\tan 4^\circ \tan 43^\circ \tan 47^\circ \tan 86^\circ$   
 (A) 1 (B)  $\frac{1}{2}$  (C) 2 (D)  $\frac{2}{3}$
135. 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)  $50\text{cm}^2$  (B)  $60\text{cm}^2$   
 (C)  $75\text{cm}^2$  (D)  $90\text{cm}^2$
136. 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) 4 cm (B) 5 cm (C) 8 cm (D) 7 cm
137. 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) 18 km (B) 15 km  
 (C) 13 km (D) 11 km
138. 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) 13 m (B) 19 m (C) 17 m (D) 15 m

SPACE FOR ROUGH WORK



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 (A)  $a^2 + b^2$  (B)  $a^2 + b^2 + c^2$   
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 (A)  $30^\circ$  (B)  $45^\circ$  (C)  $60^\circ$  (D)  $75^\circ$
133. The maximum value of  $\sin^4\theta + \cos^4\theta$  is  
 (A) 1 (B) 2 (C) 3 (D)  $\frac{1}{3}$
134. Find the value of  $\tan 4^\circ \tan 43^\circ \tan 47^\circ \tan 86^\circ$   
 (A) 1 (B)  $\frac{1}{2}$  (C) 2 (D)  $\frac{2}{3}$
135. 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  
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 (A) 4 cm (B) 5 cm (C) 8 cm (D) 7 cm
137. 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) 18 km (B) 15 km  
 (C) 13 km (D) 11 km
138. 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) 13 m (B) 19 m (C) 17 m (D) 15 m

SPACE FOR ROUGH WORK



139. 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) 7.32 (B) 8.26 (C) 8.66 (D) 8.16

140. If  $\sin \theta + \sin^2 \theta = 1$  then  $\cos^2 \theta + \cos^4 \theta$  is equal to

- (A) 1 (B)  $\frac{\sin \theta}{\cos^2 \theta}$   
 (C)  $\frac{\cos^2 \theta}{\sin \theta}$  (D) None

141. If a clock started at noon, then the angle turned by hour hand at 3.45 PM is

- (A)  $104\frac{1}{2}^\circ$  (B)  $97\frac{1}{2}^\circ$   
 (C)  $112\frac{1}{2}^\circ$  (D)  $117\frac{1}{2}^\circ$

142. The numerical value of  $\frac{\cos^2 45^\circ}{\sin^2 60^\circ} +$

$$\frac{\cos^2 60^\circ}{\sin^2 45^\circ} - \frac{\tan^2 30^\circ}{\cot^2 45^\circ} - \frac{\sin^2 30^\circ}{\cot^2 30^\circ}$$

- (A)  $\frac{3}{4}$  (B)  $\frac{1}{4}$   
 (C)  $\frac{1}{2}$  (D)  $1\frac{1}{4}$

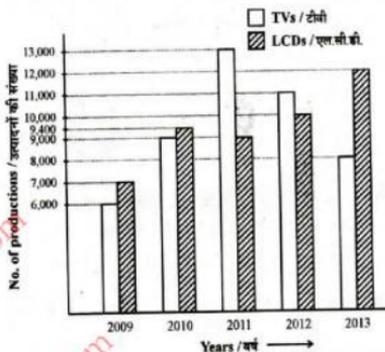
143. If  $x \cos \theta - \sin \theta = 1$ , then

$$x^2 + (1+x^2) \sin \theta \text{ equals}$$

- (A) 1 (B) -1 (C) 0 (D) 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 and scribbles in the rough work area.



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

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

151. Fake  
(A) Fanciful (B) Real  
(C) Ideal (D) Wrong
152. Disconsolate  
(A) Joyous (B) Thankful  
(C) Unprejudiced (D) Prominent
153. Tremulous  
(A) Steady (B) Obese  
(C) Young (D) Healthy

**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.

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

**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**".

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



**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.

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

**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.

176. (A) Acquarium (B) Aquarium  
(C) Acquerium (D) Aquarim
177. (A) Facsimile (B) Facsimilee  
(C) Fasimile (D) Fasimmile

**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 something positive.

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

## 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.

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

**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.

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

**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.

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

**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.

198. Predilection  
(A) Favour (B) Whim  
(C) Prejudice (D) Preference
199. Effigy  
(A) Dummy (B) Imagery  
(C) Reflection (D) Organ
200. Devout  
(A) Solemn (B) Loyal  
(C) Dedicated (D) Pious