

MN

AC 2013

Test Form No.  
टेस्ट फॉर्म सं.  
012 KP 1

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

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

Maximum Marks : 200

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 दिए गए हैं।

## INSTRUCTIONS TO CANDIDATES

- This Booklet contains 200 questions in all comprising the following four parts :  
Part - A : General Intelligence & Reasoning (50 Questions)  
Part - B : General Awareness (50 Questions)  
Part - C : Quantitative Aptitude (50 Questions)  
Part - D : English Comprehension (50 Questions)
- In questions set bilingually in English and Hindi, in case of discrepancy, the English version will prevail.
- All questions are compulsory and carry equal marks.
- The paper carries negative marking. 0.25 marks will be deducted for each wrong answer.
- Before you start to answer the questions, you must check up this Booklet and ensure that it contains all the pages (1-32) 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 on Side-I of the Answer-Sheet carefully. You must also put your signature and Left-Hand thumb impression on the Answer-Sheet at the prescribed place before you actually start answering the questions. These instructions must be fully complied with, failing which, your Answer-Sheet will not be evaluated and you will be awarded 'ZERO' mark. (V.H. candidates will have to ensure that these details are filled in by the scribe. However all V.H. candidates must put their left-hand thumb impression at the space provided in the Answer-Sheet. Those V.H. candidates who can sign should also put their signatures in addition to thumb impression.)
- Answers must be shown by completely blackening the corresponding ovals on Side-II of the Answer-Sheet against the relevant question number by Black/Blue Ball-point Pen only. Answers which are not shown by Black/Blue Ball-point Pen will not be awarded any mark.
- A machine will read the coded information in the OMR Answer-Sheet. In case the information is incomplete or different from the information given in the application form, such candidate will be awarded 'ZERO' mark.
- The Answer-Sheet must be handed over to the invigilator before you leave the Examination Hall.
- Failure to comply with any of the above instructions will render a candidate liable to such action/penalty as may be deemed fit.
- The manner in which the different questions are to be answered has been explained at the back of this Booklet (Page No. 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 Questions No. 39 to 50 and 144 to 150 relating to figural portions, alternate questions have been provided to be attempted by V.H. candidates only.
- No rough work is to be done on the Answer-Sheet. Space for rough work has been provided below the questions.
- "Mobile phones and wireless communication devices are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature."

## उम्मीदवारों के लिए अनुदेश

- इस पुस्तिका में कुल 200 प्रश्न हैं, जिनमें निम्नलिखित चार भाग शामिल हैं :  
भाग - क : सामान्य बुद्धिमत्ता एवं तर्कशक्ति (50 प्रश्न)  
भाग - ख : सामान्य जानकारी (50 प्रश्न)  
भाग - ग : परिमाणान्तरक अभिरुचि (50 प्रश्न)  
भाग - घ : अंग्रेजी परिज्ञान (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 काटा जाएगा।
- 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 खटि पाए, तो तत्काल इसके बदले दूसरी पुस्तिका ले लें।
- निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जाएगी। उत्तर-पत्रिका के Side-I में नियमावली के अनुसार ध्यानपूर्वक अपना नाम, रोल नम्बर, टिकट नम्बर और टेस्ट फॉर्म संख्या अवश्य लिखें। प्रश्नों के उत्तर प्रस्तुत में शुरू करने से पहले उत्तर-पत्रिका पर निर्धारित स्थान में आप अपने हस्ताक्षर एवं बाएँ हाथ के अंगूठे का निशान भी अवश्य लगाएँ। उपर्युक्त अनुदेशों का पूरी तरह अनुपालन किया जाए, अन्यथा आपकी उत्तर-पत्रिका को जाँचा नहीं जाएगा और 'शून्य' अंक दिया जाएगा। (दृष्टिबाधित उम्मीदवार सुनिश्चित करें कि यह विवरण लिपिक द्वारा भरा जाए। परन्तु सभी दृष्टिबाधित उम्मीदवार उत्तर-पत्रिका में निर्धारित स्थान पर अपने बाएँ हाथ के अंगूठे का निशान अवश्य लगाएँ। जो दृष्टिबाधित उम्मीदवार हस्ताक्षर कर सकते हैं, वे अंगूठे के निशान के अलावा अपने हस्ताक्षर भी कर दें।)
- उत्तर-पत्रिका में सभी उत्तर Side-II में प्रश्न संख्या के सामने दिये गये सम्बन्धित अण्डाकार खानों को केवल काले/नीले बॉल-पॉइंट पेन से पूरी तरह काला करके दिखाएँ। जो अण्डाकार खाने काले/नीले बॉल-पॉइंट पेन से नहीं भरे जाएँगे, उनके लिए कोई अंक नहीं दिया जाएगा।
- ओ.एम.आर. उत्तर-पत्रिका में भरी गई कूट सूचना को एक मशीन पढ़ेगी। यदि सूचना अपूर्ण है अथवा आवेदन प्रपत्र में दी गई सूचना से भिन्न है, तो ऐसे अभ्यर्थी को 'शून्य' अंक दिया जाएगा।
- परीक्षा-भवन छोड़ने से पहले परीक्षार्थी को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए।
- ऊपर के अनुदेशों में से किसी एक का भी पालन न करने पर उम्मीदवार पर विवेकानुसार कार्यवाही की जा सकती है या दण्ड दिया जा सकता है।
- विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे (पृष्ठ संख्या 32) में छपे हुए निर्देशों में दे दी गई हैं, इसे आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें।
- प्रश्नों के उत्तर जितनी जल्दी हो सके तथा ध्यानपूर्वक दें। कुछ प्रश्न आसान तथा कुछ कठिन हैं। किसी एक प्रश्न पर बहुत अधिक समय न लगाएँ।
- आकृति से सम्बन्धित प्रश्न संख्या 39 से 50 तथा 144 से 150 के बदले में केवल दृष्टिबाधित उम्मीदवारों द्वारा हल किए जाने के लिए वैकल्पिक प्रश्न दिए गए हैं।
- कोई रफ़ कार्य उत्तर-पत्रिका पर नहीं करना है। रफ़ कार्य के लिए स्थान प्रश्नों के नीचे दिया गया है।
- "परीक्षा 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 ऑफ करके भी अपने पास न रखें। इस प्रावधान का अनुपालन न करने को परीक्षा में अनुचित उपायों का प्रयोग माना जाएगा और उनके विरुद्ध कार्रवाई की जाएगी, उनकी अभ्यर्थिता रद्द कर देने सहित।"



## PART - A : GENERAL INTELLIGENCE &amp; REASONING

**Directions :** In questions no. 1 to 4, select the related letters/word/number from the given alternatives.

1. F : 216 :: L : ?  
(A) 1700 (B) 1600  
(C) 1723 (D) 1728
2. MOUSE : KPSTC :: LIGHT : ?  
(A) JGEFR (B) JJEIR  
(C) MJHIU (D) MGHFU
3. Tanning : Leather :: Pyrotechnics : ?  
(A) Fireworks (B) Wool  
(C) Machinery (D) Bombs
4. King : Throne :: Rider : ?  
(A) Horse (B) Seat  
(C) Saddle (D) Chair
5. If  $264 \times 2 = 6$ ,  $870 \times 3 = 11$ , then what should  $735 \times 5$  be ?  
(A) 16 (B) 03  
(C) 05 (D) 12
6. Which one of the given responses would be a meaningful order of the following ?  
1. Implementation  
2. Conceptual Modelling  
3. Requirements Analysis  
4. Logical Modelling  
5. Physical Model  
6. Schema Refinement  
(A) 1, 3, 2, 6, 5, 4  
(B) 3, 2, 5, 4, 6, 1  
(C) 3, 2, 1, 4, 6, 5  
(D) 3, 2, 4, 6, 5, 1

**Directions :** In questions no. 7 and 8, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

7. b \_ a b \_ b \_ a b \_ b  
(A) abba (B) baaa  
(C) aabb (D) abbb
8. \_ b c a b \_ c a b c \_ a b c a \_ b  
(A) aabc (B) bbca  
(C) abac (D) abca

**Directions :** In questions no. 9 to 13, find the odd word/number/number-pair from the given alternatives.

9. (A) Rickets (B) Night-blindness  
(C) Influenza (D) Scurvy
10. (A) Shower (B) Sleet  
(C) Raisin (D) Rain
11. (A) 71 - 55 (B) 517 - 523  
(C) 248 - 231 (D) 547 - 563
12. 10, 13, 234, 681, 997  
(A) 234 (B) 13  
(C) 681 (D) 10
13. (A) Heed (B) Led  
(C) Heap (D) Head

**Directions :** In questions no. 14 to 18, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

14. C - 3, E - 5, G - 7, I - 9, ? , ?  
(A) K - 11, M - 13  
(B) O - 15, X - 24  
(C) M - 18, K - 14  
(D) X - 24, M - 21
15. 5, 16, 51, 158, ?  
(A) 483 (B) 481  
(C) 1454 (D) 1452
16.  $9 \div 2 : 9 \div 9 :: 9 \times 5 : ?$   
(A)  $9 \times 6$  (B)  $9 \times 7$   
(C)  $9 \times 8$  (D)  $9 \times 4$
17. AFI, JOR, MRU, ?  
(A) HMP (B) PMO  
(C) RJL (D) GJN
18. bc, cde, de, efg, fg, ?  
(A) fgh (B) hij  
(C) ijk (D) ghi

SPACE FOR ROUGH WORK

19. A man showed a boy next to him and said – "He is the son of my wife's sister-in-law, but I am the only child of my parents." How is my son related to him ?

- (A) Brother (B) Uncle  
(C) Nephew (D) Cousin

20. Find the correct group of signs to solve the equation.

$$24 * 16 * 8 * 32$$

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

21. Sunil is the son of Kesav. Simran, Kesav's sister, has a son Maruti and daughter Sita. Prem is the maternal uncle of Maruti. How is Sunil related to Maruti ?

- (A) Uncle (B) Brother  
(C) Nephew (D) Cousin

22. Priti scored more than Rahul. Yamuna scored as much as Divya. Lokita scored less than Manju. Rahul scored more than Yamuna. Manju scored less than Divya. Who scored the lowest ?

- (A) Yamuna (B) Lokita  
(C) Rahul (D) Manju

**Directions :** In questions no. 23 to 25, from the given alternatives select the word which cannot be formed using the letters of the given word.

23. CONSTITUTIONAL

- (A) TALENT (B) LOCATION  
(C) CONSULT (D) TUITION

24. MANUSCRIPT

- (A) SMART (B) RUSTIC  
(C) MASTER (D) PRIMUS

25. SEGREGATION

- (A) GREAT (B) GREETINGS  
(C) SEATING (D) NATION

26. If the first and second letters in the word 'COMMUNICATIONS' were interchanged, also the third and the fourth letters, the 5<sup>th</sup> and 6<sup>th</sup> letters and so on, which letter would be the tenth letter counting from your right ?

- (A) A (B) T  
(C) N (D) U

27. Which of the following interchanges of numbers would make the given equation correct ?

$$8 \times 20 \div 3 + 9 - 5 = 38$$

- (A) 8, 9 (B) 3, 5  
(C) 3, 9 (D) 3, 8

28. Put the correct mathematical signs in the following equation from the given alternatives.

$$33 \quad ? \quad 11 \quad ? \quad 8 \quad ? \quad 6 = 115$$

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

29. Select the correct combination of mathematical signs to replace \* signs and to balance the given equation.

$$15 * 24 * 3 * 6 * 17$$

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

30. If each of the letters in the English alphabet is assigned an even numerical value by giving A = 2, B = 4 and so on, what would be the total value of the letters for the word LADY when similarly coded ?

- (A) 72 (B) 84  
(C) 82 (D) 74

31. If the word LEADER is coded as 20-13-9-12-13-26, how would you write LIGHT ?

- (A) 20-15-16-18-23  
(B) 20-17-15-16-28  
(C) 20-16-15-17-22  
(D) 20-16-17-15-27

SPACE FOR ROUGH WORK



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

32.	3	5	8	7
	4	6	4	6
	5	2	2	3
	58	58	62	?

(A) 122

(B) 128

(C) 124

(D) 126

33.	4	3	2	
	6	9	10	
	9	27	?	

(A) 20

(B) 50

(C) 54

(D) 30

34.	84		81		88
	14	12	18	9	? 11

(A) 12

(B) 14

(C) 16

(D) 10

35. Raj is standing in the middle of a square field. He starts walking diagonally to North-East. Then he turns right and reaches the far end of the field. Then he turns right and starts walking. In the midway he again turns right and starts walking. In halfway, he turns to his left and reaches a new far end. In what direction is Raj now?

(A) South

(B) North-West

(C) South-West

(D) North

36. A boy starts from home in early morning and walks straight for 8 km facing the Sun. Then he takes a right turn and walks for 3 km. Then he turns right again and walks for 2 km and then turns left and walks for 1 km. Then he turns right, travels 1 km and then turns right and travels for 4 km straight. How far is he from the starting point?

(A) 6 km

(B) 2 km

(C) 4 km

(D) 5 km

**Directions :** In questions no. 37 and 38, one/two statements are given, followed by two/three conclusions I, II and III. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

37. ~~Statement :~~

Sick people need medicine.

Conclusions :

I. Healthy people do not need medicine.

II. People keep medicine in their home.

(A) Only conclusion II follows

(B) Both conclusions I and II follow

(C) Neither conclusion I nor II follows

(D) Only conclusion I follows

38. ~~Statements :~~

1. Some years are decades.

2. All centuries are decades.

Conclusions :

I. Some centuries are years.

II. Some decades are years.

III. No century is a year.

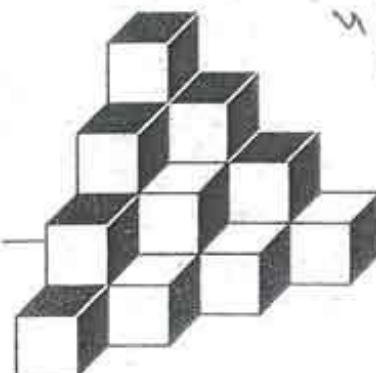
(A) Only conclusions I and III follow

(B) Only conclusion I follows

(C) Only conclusion II follows

(D) Only conclusions I and II follow

39. How many cubes are there in the group?



(A) 16

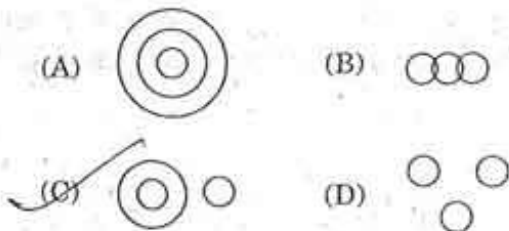
(B) 18

(C) 20

(D) 10

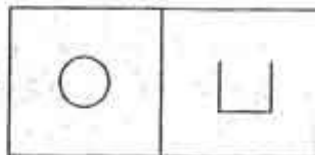
SPACE FOR ROUGH WORK

40. Which one of the following diagrams best depicts the relationship among Earth, Sea, Sun ?

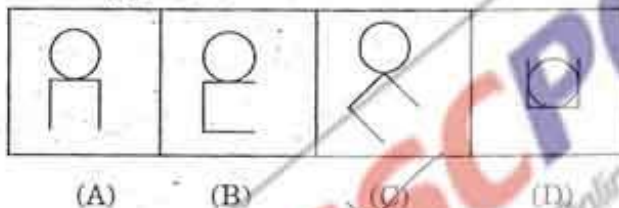


41. There is a ball and a rectangular jar. Four positions are shown below to keep them balanced. Which of the following will **not** get balanced easily ?

Question figures :



Answer figures :

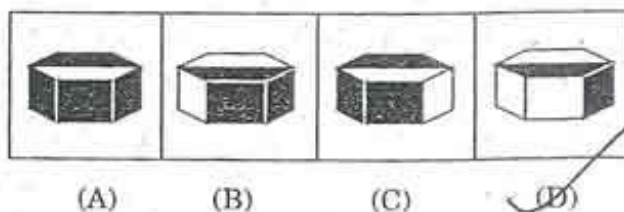


42. Which one of the four boxes given below is created by folding the given box design in the question figure ?

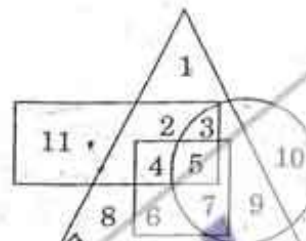
Question figure :



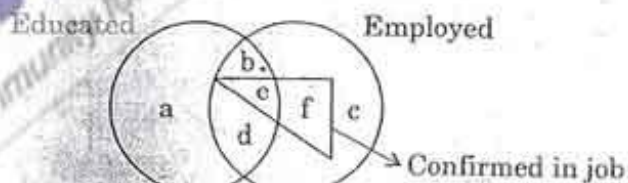
Answer figures :



43. In the given diagram, circle represents professionals, square represents dancers, triangle represents musicians and rectangle represents Europeans. Different regions in the diagram are numbered 1 to 11. Who among the following is neither a dancer nor a musician but is professional and not a European ?



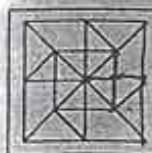
44. Read the figure and find the region representing persons who are educated and employed but not confirmed.



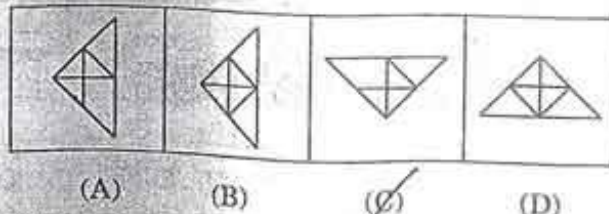
- (A) abc (B) bd  
(C) adc (D) ac

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

45. Question figure :



Answer figures :





46. Question figure :



Answer figures :



(A)

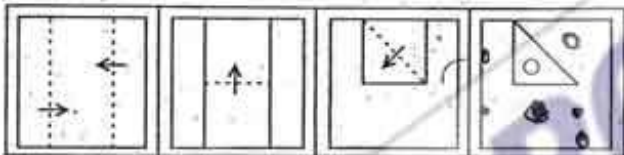
(B)

(C)

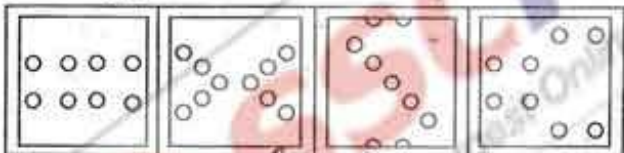
(D)

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

Question figures :



Answer figures :



(A)

(B)

(C)

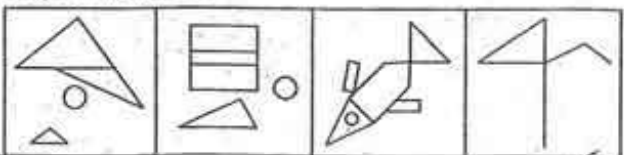
(D)

48. Which of the answer figures includes the separate components found in the question figure ?

Question figure :



Answer figures :



(A)

(B)

(C)

(D)

49. 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. 'D' can be represented by 02, 14, etc., and 'R' can be represented by 57, 76, etc. Similarly, you have to identify the set for the word 'BEST'.

MATRIX I

	0	1	2	3	4
0	B	C	D	E	F
1	E	F	B	C	D
2	C	D	E	F	B
3	F	B	C	D	E
4	D	E	F	B	C

MATRIX II

	5	6	7	8	9
5	P	Q	R	S	T
6	S	T	P	Q	R
7	Q	R	S	T	P
8	T	P	Q	R	S
9	R	S	T	P	Q

(A) 24, 21, 77, 97

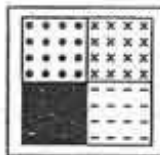
(B) 24, 22, 77, 97

(C) 24, 22, 77, 96

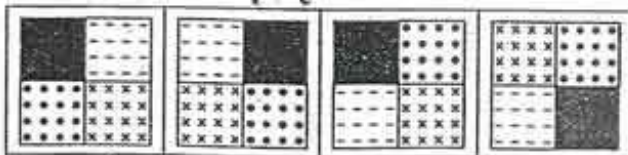
(D) 24, 22, 76, 97

50. Choose the right water-image of the question figure from the given answer figures.

Question figure :



Answer figures :



(A)

(B)

(C)

(D)

## PART - B : GENERAL AWARENESS

51. The demand for labour is called  
(A) Derived demand (B) Factory demand  
(C) Market demand (D) Direct demand
52. Which of the following is *not* an investment expenditure in goods and services ?  
(A) Purchase of machinery  
(B) ☒ An increase in business inventories  
(C) Expansion of the main plant of a company  
(D) ☒ Purchase of a house
53. Which one of the following represents the Savings of the Private Corporate Sector ?  
(A) Undistributed profits  
(B) Excess of income over expenditure  
(C) Dividends paid to shareholders  
(D) Total profits of a company
54. Who presides over the Joint Session of Indian Parliament ?  
(A) Chairperson of Rajya Sabha  
(B) Seniormost Member of Parliament  
(C) ☒ Speaker of Lok Sabha  
(D) President of India
55. Social accounting system in India is classified into  
(A) Assets, liabilities and debt position  
(B) Public sector, Private sector and Joint sector  
(C) Income, product and expenditure  
(D) Enterprise, households and government
56. Forced Savings refer to  
(A) Compulsory deposits imposed on income tax payers  
(B) Provident fund contribution of private sector employees  
(C) Reduction of consumption consequent to a rise in prices  
(D) Taxes on individual income and wealth
57. Under which Article of the Constitution of India, can the fundamental rights of the members of the Armed Forces be specifically restricted ?  
(A) Article 21 (B) ☒ Article 25  
(C) Article 33 (D) Article 19
58. Pulakesin II was the greatest ruler of the  
(A) Chalukyas of Kalyani  
(B) Pallavas of Kanchi  
(C) Cholas of Tamil Nadu  
(D) ☒ Chalukyas of Badauri
59. The Uttaramerur inscription provides information on the administration of the  
(A) Pallavas (B) ☒ Cholas  
(C) Chalukyas (D) Satavahanas
60. Pitts India Act of 1784 was a/an  
(A) Ordinance (B) Resolution  
(C) White paper (D) ☒ Regulating Act
61. Which one of the following statements is *not* true in respect of A.O. Hume ?  
(A) He founded the Indian National Congress.  
(B) ☒ He presided over the Congress Annual Sessions twice.  
(C) He was an ornithologist.  
(D) He was a member of the Indian Civil Service.
62. Division of Powers and Independent Judiciary are the two important features of  
(A) Democratic form of Government  
(B) ☒ Federal form of Government  
(C) ☒ Socialist form of Government  
(D) ☒ Unitary form of Government
63. Which Article of the Indian Constitution did Dr. B.R. Ambedkar term as the "Heart and Soul of the Indian Constitution" ?  
(A) Article 356 (B) ☒ Article 32  
(C) Article 14 (D) Article 19
64. Who was the first to use the term 'State' ?  
(A) Aristotle (B) Machiavelli  
(C) Hobbes (D) Plato

SPACE FOR ROUGH WORK



65. Which river in India flows in a rift-valley ?  
 (A) Narmada (B) Krishna  
 (C) Cauvery (D) Tapi
66. A narrow strip of land that connects two larger land masses is called  
 (A) Cape  
 (B) Isthmus  
 (C) Strait  
 (D) Peninsula
67. Tiny marine animals which constitute limestone skeletons are called  
 (A) Coral reefs (B) Diatoms  
 (C) Clamitomonous (D) Foraminifera
68. Apatanis are the major tribal group of  
 (A) Sikkim (B) Arunachal Pradesh  
 (C) Jharkhand (D) Nagaland
69. Which of the following plant pigments absorbs in red and far-red region of light ?  
 (A) Phytochrome (B) Cryptochrome  
 (C) Carotenoids (D) Chlorophyll
70. The process through which excess of light energy is dissipated in photosynthesis is known as  
 (A) Photolysis  
 (B) Photophosphorylation  
 (C) Quenching  
 (D) Scavenging
71. AIDS virus destroys  
 (A) Neutrophils (B) Basophils  
 (C) Lymphocytes (D) Monocytes
72. Which of the following movements saw the biggest peasant guerilla war on the eve of independence ?  
 (A) Punnappa Vayalar Movement  
 (B) Telangana Movement  
 (C) Noakhali Movement  
 (D) Tebhaga Movement
73. Maps on large scale, representing both natural and man-made features are called  
 (A) Thematic maps  
 (B) Atlas maps  
 (C) Wall maps  
 (D) Topographic maps
74. The device used for measuring the wavelength of X-rays is  
 (A) Bragg Spectrometer  
 (B) Mass Spectrometer  
 (C) G.M. Counter  
 (D) Cyclotron
75. Alpha particle is the nucleus of an atom of  
 (A) Helium (B) Oxygen  
 (C) Lithium (D) Hydrogen
76. Who is the founder of "Facebook" which is currently the No. 1 social networking website in India ?  
 (A) Orkut Buyukkokten  
 (B) Mark Zuckerberg  
 (C) Bill Gates  
 (D) Martin Cooper
77. In programming, repeating some statements is usually called  
 (A) Looping (B) Control structure  
 (C) Compiling (D) Structure
78. Teeth and Bones acquire strength and rigidity from  
 (A) Chlorine (B) Sodium  
 (C) Calcium (D) Fluorine
79. The type of tail found in Shark is  
 (A) Heterocercal (B) Diphyccercal  
 (C) Protocercal (D) Homocercal
80. The Sigmoid Colon is part of  
 (A) Large Intestine (B) Ileum  
 (C) Small Intestine (D) Anal Canal
81. A good conductor while carrying current is  
 (A) positively charged  
 (B) electrically neutral  
 (C) alternately charged positive and negative  
 (D) negatively charged
82. The angle between the magnetic meridian and the geographical meridian at a place is  
 (A) Declination  
 (B) Latitude  
 (C) Azimuth  
 (D) Dip

SPACE FOR ROUGH WORK



83. Coating of solid waste with impervious material is known as  
(A) Landfill (B) Capping  
(C) Encapsulation (D) Chemical fixation
84. Ultraviolet rays can be used in water treatment as  
(A) Hydrolyser (B) Disinfectant  
(C) Flocculator (D) Precipitator
85. Thiamidine dimer formation in DNA is caused by  
(A)  $\beta$  and  $\gamma$ -rays (B) UV-rays  
(C) IR-rays (D) X-rays
86. Winner of the Australian Open Men's Singles Title in 2013 is  
(A) Roger Federer (B) Novak Djokovic  
(C) David Ferrer (D) Andy Murray
87. Silicone is a polymer of  
(A) Dialkyl dichloro silane  
(B) Silane  
(C) Tetraalkyl silane  
(D) Silicon tetrachloride
88. Which is a natural colloid?  
(A) Cane-sugar (B) Blood  
(C) Sodium chloride (D) Urea
89. Which one of the following does *not* contain Silver?  
(A) German Silver (B) Horn Silver  
(C) Ruby Silver (D) Lunar Caustic
90. The presence of Cobalt in Vitamin B<sub>12</sub> was established for the first time by  
(A) Borax-Bead test  
(B) Sodium Nitroprusside test  
(C) Hydrolysis test  
(D) Spectroscopy
91. Which bacterial strain developed from natural isolates by genetic manipulations can be used for treating oil spills?  
(A) Clostridium (B) Nitrosomonas  
(C) Pseudomonas (D) Agrobacterium
92. Who is the author of the book "No Full Stops in India"?  
(A) Nirad C. Choudhuri  
(B) Mark Tully  
(C) R.K. Narayan  
(D) Ved Mehta
93. Which one of the following pairs is *wrongly* matched?  

Place	Location
(A) Tiananmen Square	— Beijing
(B) Tahrir Square	— Abu Dhabi
(C) Trafalgar Square	— London
(D) Red Square	— Moscow
94. The term of a non-permanent member of the U.N. Security Council is  
(A) 1 year (B) 2 years  
(C) 3 years (D) 6 months
95. Who is the Chairman of the 20<sup>th</sup> Law Commission?  
(A) Justice K.G. Balakrishnan  
(B) Justice D.K. Jain  
(C) Justice Usha Mehra  
(D) Justice J.S. Verma
96. Julia Gillard is the Prime Minister of  
(A) Canada (B) Australia  
(C) New Zealand (D) Belgium
97. Which is the first state in India to pass the Food Security Law?  
(A) Chhattisgarh (B) Gujarat  
(C) Punjab (D) Kerala
98. Who among the following Presidents of MCC was a non-professional cricketer?  
(A) Peter May  
(B) Christopher Martin Jenkins  
(C) Ted Dexter  
(D) Colin Cowdrey
99. Who won the Nobel Prize for Peace in 2012?  
(A) International Atomic Energy Agency  
(B) Liu Xiaobo  
(C) European Union  
(D) U.N. Intergovernmental Panel on Climate Change
100. Who won the Jnanpith Award for 2011?  
(A) Sachidananda Routray  
(B) Pratibha Ray  
(C) Gopinath Mohanty  
(D) Sitakant Mahapatra

SPACE FOR ROUGH WORK

## PART - C : QUANTITATIVE APTITUDE

101. Product of two co-prime numbers is 117. Then their L.C.M. is  
(A) 13 (B) 39 (C) 117 (D) 9
102. The diameters of two circles are the side of a square and the diagonal of the square. The ratio of the areas of the smaller circle and the larger circle is  
(A)  $\sqrt{2} : \sqrt{3}$  (B)  $1 : \sqrt{2}$   
(C)  $1 : 2$  (D)  $1 : 4$
103. The total surface area of a sphere is  $8\pi$  square unit. The volume of the sphere is  
(A)  $8\sqrt{3}\pi$  cubic unit (B)  $\frac{8\sqrt{3}}{5}\pi$  cubic unit  
(C)  $\frac{8\sqrt{2}}{3}\pi$  cubic unit (D)  $\frac{8}{3}\pi$  cubic unit
104. A conical flask is full of water. The flask has base radius  $r$  and height  $h$ . This water is poured into a cylindrical flask of base radius  $m$ . The height of water in the cylindrical flask is  
(A)  $\frac{2h}{m}$  (B)  $\frac{h}{3m^2}$  (C)  $\frac{m}{2h}$  (D)  $\frac{h}{2}m^2$
105. A and B together can complete a piece of work in 12 days, B and C can do it in 20 days and C and A can do it in 15 days. A, B and C together can complete it in  
(A) 8 days (B) 10 days  
(C) 12 days (D) 6 days
106. A and B together can complete a work in 3 days. They start together. But, after 2 days, B left the work. If the work is completed after 2 more days, B alone could do the work in  
(A) 6 days (B) 8 days  
(C) 10 days (D) 4 days
107. A does 20% less work than B. If A can complete a piece of work in  $7\frac{1}{2}$  hours, then B can do it in  
(A) 6 hours (B) 8 hours  
(C) 10 hours (D) 4 hours
108. A rational number between  $\frac{3}{4}$  and  $\frac{3}{8}$  is  
(A)  $\frac{16}{9}$  (B)  $\frac{9}{16}$  (C)  $\frac{12}{7}$  (D)  $\frac{7}{3}$
109. The prices of a school bag and a shoe are in the ratio 7 : 5. The price of a school bag is ₹ 200 more than the price of a shoe. Then the price of a shoe is  
(A) ₹ 500 (B) ₹ 1,200 (C) ₹ 200 (D) ₹ 700
110. A sum of ₹ 300 is divided among P, Q and R in such a way that Q gets ₹ 30 more than P and R gets ₹.60 more than Q. The ratio of their share is  
(A) 3 : 2 : 5 (B) 2 : 5 : 3  
(C) 5 : 3 : 2 (D) 2 : 3 : 5
111. The average of nine numbers is 50. The average of the first five numbers is 54 and that of the last three numbers is 52. Then the sixth number is  
(A) 24 (B) 44 (C) 30 (D) 34
112. The average of the first nine integral multiples of 3 is  
(A) 15 (B) 18 (C) 21 (D) 12
113. An article is sold for ₹ 300 at a profit of 20%. Had it been sold for ₹ 235, the loss percentage would have been  
(A) 5 (B) 6 (C) 16 (D) 3
114. A box has 100 blue balls, 50 red balls, 50 black balls. 25% of blue balls and 50% of red balls are taken away. % of black balls at present is  
(A)  $33\frac{1}{3}\%$  (B) 40%  
(C) 50% (D) 25%
115. A dozen pairs of socks quoted at ₹ 180 are available at discount of 20%. How many pairs of socks can be bought for ₹ 48 ?  
(A) 2 pairs (B) 5 pairs  
(C) 3 pairs (D) 4 pairs
116. The marked price of a table is ₹ 12,000. If it was sold for ₹ 10,500 after allowing a certain discount, then the rate of discount is  
(A) 12.5% (B) 15%  
(C) 17.5% (D) 10%
117. The marked price of a radio set is ₹ 480. The shopkeeper allows a discount of 10% and gains 8%. If no discount is allowed, his gain percent would be  
(A) 18.5% (B) 20% (C) 25% (D) 18%

SPACE FOR ROUGH WORK



118. N is the foot of the perpendicular from a point P of a circle with radius 7 cm, on a diameter AB of the circle. If the length of the chord PB is 12 cm, the distance of the point N from the point B is  
 (A)  $3\frac{5}{7}$  cm (B)  $10\frac{2}{7}$  cm  
 (C)  $6\frac{5}{7}$  cm (D)  $12\frac{2}{7}$  cm
119. Two cars are moving with speeds  $v_1$ ,  $v_2$  towards a crossing along two roads. If their distances from the crossing be 40 metres and 50 metres at an instant of time then they do not collide if their speeds are such that  
 (A)  $v_1 : v_2 \neq 5 : 4$   
 (B)  $v_1 : v_2 = 25 : 16$   
 (C)  $v_1 : v_2 = 16 : 25$   
 (D)  $v_1 : v_2 \neq 4 : 5$
120. A certain distance is covered at a certain speed. If half of this distance is covered in double the time, the ratio of the two speeds is  
 (A) 1 : 4 (B) 2 : 1  
 (C) 1 : 2 (D) 4 : 1
121. The simple interest on ₹ 4,000 in 3 years at the rate of  $x\%$  per annum equals the simple interest on ₹ 5,000 at the rate of 12% per annum in 2 years. The value of  $x$  is  
 (A) 8% (B) 9% (C) 10% (D) 6%
122. If  $x^2 - 3x + 1 = 0$ , then the value of  $x^2 + x + \frac{1}{x} + \frac{1}{x^2}$  is  
 (A) 6 (B) 8 (C) 10 (D) 2
123. If  $\frac{4x-3}{x} + \frac{4y-3}{y} + \frac{4z-3}{z} = 0$ , then the value of  $\frac{1}{x} + \frac{1}{y} + \frac{1}{z}$  is  
 (A) 4 (B) 6 (C) 9 (D) 3
124. Find the simplest value of  $2\sqrt{50} + \sqrt{18} - \sqrt{72}$  (given  $\sqrt{2} = 1.414$ ).  
 (A) 10.312 (B) 8.484  
 (C) 4.242 (D) 9.898
125. If  $a^2 + b^2 + 4c^2 = 2(a + b - 2c) - 3$  and  $a, b, c$  are real, then the value of  $(a^2 + b^2 + c^2)$  is  
 (A) 2 (B)  $2\frac{1}{4}$  (C) 3 (D)  $3\frac{1}{4}$
126. A number  $x$  when divided by 289 leaves 18 as the remainder. The same number when divided by 17 leaves  $y$  as a remainder. The value of  $y$  is  
 (A) 3 (B) 1 (C) 5 (D) 2
127. An equation of the form  $ax + by + c = 0$  where  $a \neq 0, b \neq 0, c = 0$  represents a straight line which passes through  
 (A) (0, 0) (B) (3, 2)  
 (C) (2, 4) (D) None of these
128. The numerator of a fraction is 4 less than its denominator. If the numerator is decreased by 2 and the denominator is increased by 1, then the denominator becomes eight times the numerator. Find the fraction.  
 (A)  $\frac{4}{8}$  (B)  $\frac{2}{7}$  (C)  $\frac{3}{8}$  (D)  $\frac{3}{7}$
129. If  $x^2 = y + z, y^2 = z + x$  and  $z^2 = x + y$ , then the value of  $\frac{1}{1+x} + \frac{1}{1+y} + \frac{1}{1+z}$  is  
 (A) 2 (B) 0 (C) -1 (D) 1
130. In a triangle ABC,  $\angle A = 90^\circ, \angle C = 55^\circ, \overline{AD} \perp \overline{BC}$ . What is the value of  $\angle BAD$ ?  
 (A)  $45^\circ$  (B)  $55^\circ$  (C)  $35^\circ$  (D)  $60^\circ$
131. If G is the centroid of  $\Delta ABC$  and  $\Delta ABC = 48 \text{ cm}^2$ , then the area of  $\Delta BGC$  is  
 (A)  $16 \text{ cm}^2$  (B)  $24 \text{ cm}^2$   
 (C)  $32 \text{ cm}^2$  (D)  $8 \text{ cm}^2$
132. The diagonals AC and BD of a cyclic quadrilateral ABCD intersect each other at the point P. Then, it is always true that  
 (A)  $AP \cdot BP = CP \cdot DP$   
 (B)  $AP \cdot CD = AB \cdot CP$   
 (C)  $BP \cdot AB = CD \cdot CP$   
 (D)  $AP \cdot CP = BP \cdot DP$

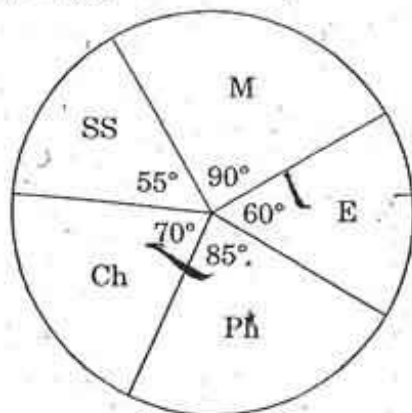
SPACE FOR ROUGH WORK

133. If  $\tan \theta = \frac{3}{4}$  and  $\theta$  is acute, then  $\operatorname{cosec} \theta$  is  
 (A)  $\frac{5}{4}$  (B)  $\frac{4}{3}$  (C)  $\frac{4}{5}$  (D)  $\frac{5}{3}$
134. The value of  $\frac{1}{(1+\tan^2 \theta)} + \frac{1}{(1+\cot^2 \theta)}$  is  
 (A) 2 (B)  $\frac{1}{2}$  (C)  $\frac{1}{4}$  (D) 1
135. If O be the circumcentre of a triangle PQR and  $\angle QOR = 110^\circ$ ,  $\angle OPR = 25^\circ$ , then the measure of  $\angle PRQ$  is  
 (A)  $55^\circ$  (B)  $60^\circ$  (C)  $65^\circ$  (D)  $50^\circ$
136. A vertical stick 12 cm long casts a shadow 8 cm long on the ground. At the same time, a tower casts a shadow 40 m long on the ground. The height of the tower is  
 (A) 65 m (B) 70 m  
 (C) 72 m (D) 60 m
137. A, B, C, D are four points on a circle. AC and BD intersect at a point E such that  $\angle BEC = 130^\circ$  and  $\angle ECD = 20^\circ$ .  $\angle BAC$  is  
 (A)  $100^\circ$  (B)  $110^\circ$  (C)  $120^\circ$  (D)  $90^\circ$
138. In a triangle, if three altitudes are equal, then the triangle is  
 (A) Right (B) Isosceles  
 (C) Obtuse (D) Equilateral
139. The tops of two poles of height 24 m and 36 m are connected by a wire. If the wire makes an angle of  $60^\circ$  with the horizontal, then the length of the wire is  
 (A) 8 m (B)  $6\sqrt{3}$  m  
 (C) 6 m (D)  $8\sqrt{3}$  m
140. The value of  $\frac{1}{\operatorname{cosec} \theta - \cot \theta} - \frac{1}{\sin \theta}$  is  
 (A)  $\operatorname{cosec} \theta$  (B)  $\tan \theta$   
 (C) 1 (D)  $\cot \theta$
141. If  $\tan \alpha = n \tan \beta$  and  $\sin \alpha = m \sin \beta$ , then  $\cos^2 \alpha$  is  
 (A)  $\frac{m^2 - 1}{n^2 - 1}$  (B)  $\frac{m^2 + 1}{n^2 + 1}$   
 (C)  $\frac{m^2}{n^2 + 1}$  (D)  $\frac{m^2}{n^2}$
142. If  $\cos \theta + \sin \theta = \sqrt{2} \cos \theta$ , then  $\cos \theta - \sin \theta$  is  
 (A)  $-\sqrt{2} \sin \theta$  (B)  $\sqrt{2} \sin \theta$   
 (C)  $\sqrt{2} \tan \theta$  (D)  $-\sqrt{2} \cos \theta$
143. If  $\cos^4 \theta - \sin^4 \theta = \frac{2}{3}$ , then the value of  $1 - 2 \sin^2 \theta$  is  
 (A)  $\frac{2}{3}$  (B)  $\frac{1}{3}$  (C)  $\frac{4}{3}$  (D) 0
- Directions :** Shown below is the multiple bar diagram depicting the changes in the roll strength of a college in four faculties from 2001-02 to 2003-04.
- 
- | Faculty  | 2001-02 | 2002-03 | 2003-04 |
|----------|---------|---------|---------|
| Arts     | 600     | 550     | 600     |
| Commerce | 200     | 250     | 250     |
| Science  | 400     | 500     | 600     |
| Law      | 150     | 200     | 250     |
- Study the above bar diagram and answer the questions no. 144 to 146.
144. The percentage of students in Science faculty in 2001-2002 is  
 (A) 27.8% (B) 29.6%  
 (C) 30.2% (D) 26.9%
145. The percentage of students in Law faculty in 2003-04 is  
 (A) 15.6% (B) 16.7%  
 (C) 14.8% (D) 18.5%
146. Percentage of increase in Science students in 2003-04 over 2001-2002 is  
 (A) 150% (B)  $66\frac{2}{3}\%$   
 (C) 75% (D) 50%

SPACE FOR ROUGH WORK



**Directions :** The following pie-chart shows the marks scored by a student in different subjects – viz. Physics (Ph), Chemistry (Ch), Mathematics (M), Social Science (SS) and English (E) in an examination. Assuming that total marks obtained for the examination is 810, answer the questions no. 147 – 150.



147. The subject in which the student obtained 135 marks is

- (A) Chemistry (B) Mathematics  
(C) English (D) Physics

148. The marks obtained in English, Physics and Social Science exceed the marks obtained in Mathematics and Chemistry by

- (A)  $10\frac{1}{9}\%$  (B) 11%  
(C)  $11\frac{1}{9}\%$  (D) 10%

149. The difference of marks between Physics and Chemistry is same as that between

- (A) Mathematics and English  
(B) English and Social Science  
(C) Chemistry and Social Science  
(D) Physics and English

150. The marks obtained in Mathematics and Chemistry exceed the marks obtained in Physics and Social Science by

- (A) 40 (B) 45 (C) 50 (D) 30

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144. A tangent PT from P to a circle of radius 8 cm has its length 15 cm. The distance of P from the centre of the circle is

- (A) 17 cm (B) 18 cm  
(C) 20 cm (D) 16 cm

145. If  $x \cos \theta = 3$  and  $4 \tan \theta = y$ , then the relation between  $x$  and  $y$ , which is independent of  $\theta$ , is given by

- (A)  $\frac{x^2}{9} + \frac{y^2}{16} = 1$  (B)  $\frac{9}{x^2} - \frac{16}{y^2} = 1$   
(C)  $\frac{x^2}{9} - \frac{y^2}{16} = 1$  (D)  $\frac{9}{x^2} + \frac{16}{y^2} = 1$

146. If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 150%, the resultant fraction is  $\frac{9}{35}$ . The original fraction is

- (A)  $\frac{3}{16}$  (B)  $\frac{2}{15}$  (C)  $\frac{3}{10}$  (D)  $\frac{3}{14}$

147. The highest score in an innings was  $\frac{3}{11}$  of the total and the next highest was  $\frac{3}{11}$  of the remainder. If the scores differed by 9, then the total score is

- (A) 110 (B) 121  
(C) 132 (D) 99

148. Three boys step off from the same places. If their steps measure 36 cm, 48 cm and 54 cm respectively, at what distance from the starting point will they again step together?

- (A) 2 m 32 cm (B) 3 m 32 cm  
(C) 4 m 32 cm (D) 1 m 32 cm

149.  $x$  is one more than 3 times 'a',  $y$  is 7 less than twice 'a',  $z$  is 3 less than 'a'. If 6 times the square of  $z$  is 7 less than  $x$  multiplied by  $y$ , then the value of 'a' is

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

150. ₹ 120 is divided among X, Y and Z so that X's share is ₹ 20 more than Y's share and ₹ 20 less than Z's. What is Y's share?

- (A) ₹ 25 (B) ₹ 20  
(C) ₹ 15 (D) ₹ 30

SPACE FOR ROUGH WORK

## PART - D : ENGLISH COMPREHENSION

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

151. Having found a piece of cheese, / two cats went to a dog / to divide it among them. / No error.  
(A) (B) (C) (D)

152. Being a holiday, / we went out / for a picnic. / No error.  
(A) (B) (C) (D)

153. If we have no definite aim before us / we would only wonder about in aimless pursuits /  
(A) (B) (C) (D)  
and achieve nothing. / No error.

154. He is anxious not only / to acquire knowledge / but also eager to display it. / No error.  
(A) (B) (C) (D)

155. I went to / see the Taj Mahal / in a moonlit night. / No error.  
(A) (B) (C) (D)

**Directions :** In questions no. 156 to 160, sentences are given with blanks to be filled with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it by blackening the appropriate oval (●) in the Answer Sheet.

156. \_\_\_\_\_ the new Safari Storme, Mahindra has more leverage in increasing the sales.

- (A) On (B) In  
(C) With (D) At

157. The passenger car sales showed a decline \_\_\_\_\_ 7% to 5-6%.

- (A) of (B) to  
(C) from (D) for

158. There is a \_\_\_\_\_ amount of fatty acids and carbohydrates in some of the imported chocolates.

- (A) negligible (B) neglected  
(C) neglecting (D) negligent

159. I'm not as successful \_\_\_\_\_ she is.

- (A) like (B) than  
(C) then (D) as

160. Many Tamil-speaking Sri Lankans \_\_\_\_\_ from the island to escape the military and its atrocities.

- (A) fled (B) flew  
(C) flown (D) flee

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

161. Salacious

- (A) satisfied (B) lustful  
(C) angry (D) unhappy

162. Derive

- (A) sustain (B) obtain  
(C) contain (D) attain

163. Hallucination

- (A) dress (B) deception  
(C) delusion (D) habitat

SPACE FOR ROUGH WORK



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

164. Aggravate

- (A) subsidise (B) alleviate  
(C) depreciate (D) extinguish

165. Indelible

- (A) concerted (B) temporary  
(C) decorous (D) surprising

166. Retrench

- (A) deviate (B) recruit  
(C) revamp (D) belie

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

167. Over the years, we remained loyal through thick and thin.

- (A) in married life  
(B) in spite of all the difficulties  
(C) to our principles  
(D) to employers and subordinates

168. My ten-year-old son is an incredible live-wire.

- (A) naughty (B) energetic  
(C) lazy (D) dangerous

169. He had to cool his heels before he could get an appointment with the doctor.

- (A) to exercise influence  
(B) to lose one's temper  
(C) to be kept waiting  
(D) to make publicly known

170. The captains of the rival teams should try to bury the hatchet.

- (A) win the game  
(B) forget the past  
(C) put up a stiff competition  
(D) make peace

171. He stopped at the bar to wet his whistle.

- (A) have a problem (B) have a drink  
(C) have a nap (D) be happy

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

172. The vivid photos of majestic animals and colourful birds from the wild-life park is a graphic depiction of what is beautiful in the continent of Africa.

- (A) is a graphic depiction of what was beautiful in  
(B) are graphic depictions of what is beautiful in  
(C) is a beautiful and graphic depiction of  
(D) No improvement

173. New hires in this laboratory should anticipate excellent research opportunities and getting valuable clinical experience.

- (A) as well as (B) and also getting  
(C) and obtaining (D) No improvement

174. It is more better to take this route than the other one.

- (A) good (B) better  
(C) more good (D) No improvement

175. She is absent; she must be sick again.

- (A) She is absent; she has been sick again  
(B) She is absent; she is sick again  
(C) She is absent; she must have been sick again  
(D) No improvement

176. Jackie has already gone to the airport she will meet us at the check-in counter.

- (A) gone to the airport and Jackie will meet us  
(B) gone to the airport and she will meet us  
(C) gone to the airport, she ought to meet us  
(D) No improvement

177. The place at which the two roads meet, you will find a small log cabin.

- (A) Where the two roads meet  
(B) At the place where the two roads meet  
(C) The place where the two roads meet  
(D) No improvement

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178. The Blue Whale, weighing more than 150 tons, the largest known animal on Earth.

- (A) weighing more than 150 tons, it is  
 (B) weighing more than 150 tons, is the  
 (C) which weighs more than 150 tons, being the  
 (D) No improvement

179. Although I was initially apprehensive, I found the eating of snails to be a rather pleasant experience.

- (A) I ate the pleasant snail's experience  
 (B) I found the snails experienced  
 (C) I found it to be a more pleasant experience  
 (D) No improvement

180. The man ate an apple, an orange, and washed his hands.

- (A) an apple and an orange, and washed his hands  
 (B) an apple, an orange, washed his hands  
 (C) an apple, an orange and his washed hands  
 (D) No improvement

181. After we ate a spectacular nine-course dinner, three television shows were watched by us.

- (A) we were watching three television shows  
 (B) we engaged in the watching of three shows  
 (C) we watched three television shows  
 (D) No improvement

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

182. Not easily pleased by anything

- (A) Medieval (B) Precarious  
 (C) Fastidious (D) Maiden

183. To die without having made a will

- (A) Intestate (B) Insolvent  
 (C) Intaglio (D) Inveterate

184. One who enjoys inflicting pain on himself

- (A) egoist (B) sadist  
 (C) masochist (D) nihilist

185. Murder of a brother

- (A) Regicide (B) Homicide  
 (C) Fratricide (D) Patricide

186. More like a woman than a man in manners and habits

- (A) Womanish (B) Delicate  
 (C) Unmanly (D) Effeminate

187. Handwriting which is difficult or impossible to read

- (A) Illegible (B) Illogical  
 (C) Unintelligible (D) Eligible

188. To play the part of, and function as, some other person

- (A) Impersonate (B) Act  
 (C) Imitate (D) Pretend

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

189. (A) anihillate (B) annihilate  
 (C) anihilate (D) annihilate

190. (A) embarrassed (B) embarrased  
 (C) embarased (D) embarassed

**Directions :** In questions no. 191 to 200, you have a passage with 10 questions. Read the passage carefully and choose the best answer to each question out of the four alternatives and mark it by blackening the appropriate oval (●) in the Answer Sheet.

#### Passage (191 – 200)

Many people who are looking to get a pet dog get a puppy. There are many reasons why people get puppies. After all, puppies are cute, friendly, and playful. But even though puppies make good pets, there are good reasons why you should consider getting an adult dog instead. When you get a puppy, you have to teach it how to behave. You have to make sure that the puppy is housebroken so that it does not go to the bathroom inside the house. You have to teach the puppy not to jump up on your guests or chew on your shoes. You have to train the puppy to walk on a leash. This is a lot of work.

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On the other hand, when you get an adult dog, there is a good chance that it will already know how to do all of the previously mentioned things. Many adult dogs have already been housebroken. Many adult dogs will not jump on or chew things that you do not want them to jump on or chew. Many adult dogs will be able to walk on a leash without pulling you to the other side of the street.

Puppies also have a lot of energy and want to play all of the time. This can be fun, but you might not want to play as much as your puppy does. Puppies will not always sleep through the night or let you relax as you watch television.

On the other hand, most adult dogs will wait on you to play. What is more, they will sleep when you are sleeping and are happy to watch television on the couch right beside you. There is one last reason why you should get an adult dog instead of a puppy. When most people go to the pound to get a dog, they get a puppy. This means that many adult dogs spend a lot of time in the pound, and some never find good homes. So if you are looking to get a dog for a pet, you should think about getting an adult dog. They are good pets who need good homes.

191. The passage speaks of

- ☒ (A) how puppies do not make good pets
- ☐ (B) how puppies can be very destructive
- ☐ (C) the work involved in training puppies
- ☐ (D) the immature acts of puppies

192. Which is the best example of a dog that is housebroken?

- ☐ (A) Rex always breaks things inside the house
- ☐ (B) Rover never jumps on guests
- ☐ (C) Muffin chews on people's shoes
- ☒ (D) Spot goes outside to use the bathroom

193. The author apparently thinks that puppies are

- ☒ (A) friendly and playful
- ☐ (B) not as cute as adult dogs
- ☐ (C) not as playful as adult dogs
- ☐ (D) hardworking

194. Which is the best synonym for 'behave' as applicable to this passage?

- ☐ (A) understand
- ☐ (B) train
- ☒ (C) act
- ☐ (D) listen

195. The author begins paragraphs 2 and 4 with the phrase, "On the other hand". This phrase is used to

- ☒ (A) contradict previous information
- ☐ (B) contradict a later statement
- ☐ (C) support the following paragraph
- ☐ (D) highlight an example

196. In the final paragraph, the author says "many adult dogs spend a lot of time in the pound, and some never find good homes." Based on the passage, why is this most likely?

- ☐ (A) People understand that most adult dogs still need a lot of training before they understand how to behave properly
- ☒ (B) People think that puppies are cute and playful and do not always think about how much work it will take to train them
- ☐ (C) People do not want to get a dog that does not have much time left to live
- ☐ (D) People see adult dogs as unhappy and dangerous, while they see puppies as cute and friendly

197. Based on the information in the passage, it can be understood that someone who owns a puppy must be very

- ☐ (A) serious
- ☐ (B) optimistic
- ☒ (C) responsible
- ☐ (D) strict

198. According to the passage, why is it easier to take care of adult dogs than puppies?

- I. Puppies need to learn how to walk well on a leash.
- II. Adult dogs have less energy than puppies.
- III. It is harder for adult dogs to find a home than it is for puppies.

- ☒ (A) I and II only
- ☐ (B) II and III only
- ☒ (C) I, II and III
- ☐ (D) I only

199. Based on the information in the passage, which of the following statements is false?

- ☐ (A) Puppies need a lot of attention
- ☒ (B) Adult dogs do not like to play
- ☐ (C) Adult dogs do not need to eat very much
- ☐ (D) Puppies have a lot of energy

200. As used in paragraph 3, which is the best synonym for relax?

- ☐ (A) leave
- ☐ (B) play
- ☒ (C) rest
- ☐ (D) work



## 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 oval A, B, C or D by **Black/Blue Ball-point pen** against the question concerned in the Answer-Sheet. (For V.H. candidates, corresponding oval 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 oval 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 oval of the appropriate column, viz., A, B, C or D. If you blacken [●] more than one oval against any one question, the answer will be treated as wrong. If you wish to cancel any answer, you should **completely erase** that black mark in the oval in the Answer-Sheet, and then blacken the oval of revised response.

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 अण्डाकार खाने A, B, C या D को काले/नीले बॉल-पॉइंट पेन से काला [●] करना है। (दृष्टिबाधित उम्मीदवारों के लिए संगत अण्डाकार 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 अण्डाकार खाने को काले/नीले बॉल-पॉइंट 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 अण्डाकार खाने को काला [●] करना है। यदि आप किसी प्रश्न के सामने एक से अधिक अण्डाकार खाने को भरेंगे [●] तो आपका उत्तर गलत माना जाएगा। यदि आप किसी उत्तर को रद्द करना चाहते हैं तो आप उत्तर-पत्रिका के उस अण्डाकार खाने से काले निशान को पूरी तरह से मिटा दें और तब बदले हुए उत्तर के लिए अण्डाकार खाने को काला कर दें।

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





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