

1486701

EA 2013

Test Form No.
टेस्ट फॉर्म सं.
426 SG 1

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

Maximum Marks : 200

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

अधिकतम अंक : 200

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

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

INSTRUCTIONS TO CANDIDATES

- This Booklet contains 200 questions in all comprising the following four parts :
Part A : General Intelligence and Reasoning (50 Questions)
Part B : General Awareness (50 Questions)
Part C : Quantitative Aptitude (50 Questions)
Part D : English Comprehension (50 Questions)
- In questions set bilingually in English and Hindi, in case of discrepancy, the English version will prevail.
- All questions are compulsory and carry equal marks.
- The paper carries negative marking. 0-25 marks will be deducted for each wrong answer.
- Before you start to answer the questions you must check up this Booklet and ensure that it contains all the pages (1-36) and see that no page is missing or repeated. If you find any defect in this Booklet, you must get it replaced immediately.
- You will be supplied the Answer-Sheet separately by the Invigilator. You must complete and code the details of Name, Roll Number, Ticket Number and Test Form Number on Side-I of the Answer-Sheet carefully. You must also put your signature and Left-Hand thumb impression on the Answer-Sheet at the prescribed place before you actually start answering the questions. These instructions must be fully complied with, failing which, your Answer-Sheet will not be evaluated and you will be awarded 'ZERO' mark. (VH candidates will have to ensure that these details are filled in by the scribe. However all VH candidates must put their Left-Hand thumb impression at the space provided in the Answer-Sheet. Those VH 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, the candidate will be awarded 'ZERO' mark.
- The Answer-Sheet must be handed over to the Invigilator before you leave the Examination Hall.
- Failure to comply with any of the above instructions will render a candidate liable to such action/penalty as may be deemed fit.
- The manner in which the different questions are to be answered has been explained at the back of this Booklet (Page No. 36), which you should read carefully before actually answering the questions.
- Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
- In lieu of Question Nos. 39 to 50 and 144 to 150 relating to figural portions, alternate questions have been provided to be attempted by VH candidates only.
- No rough work is to be done on the Answer-Sheet. Space for rough work has been provided below the questions.
- "Mobile phones and wireless communication devices are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature."

उम्मीदवारों के लिए अनुदेश

- इस पुस्तिका में कुल 200 प्रश्न हैं, जिनमें निम्नलिखित चार भाग शामिल हैं :
भाग क : सामान्य बुद्धिमत्ता एवं तर्कशक्ति (50 प्रश्न)
भाग ख : सामान्य जानकारी (50 प्रश्न)
भाग ग : परिमाणात्मक अभिरुचि (50 प्रश्न)
भाग घ : 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 (1-36) हैं तथा कोई पृष्ठ कम या दुबारा तो नहीं आ गया है। यदि आप इस पुस्तिका में कोई त्रुटि पाएँ, तो तत्काल इसके बदले दूसरी पुस्तिका ले लें।
- निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जाएगी। उत्तर-पत्रिका के Side-I में नियमावली के अनुसार ध्यानपूर्वक अपना नाम, रोल नम्बर, टिकट नम्बर और टेस्ट फॉर्म संख्या अवश्य लिखें। प्रश्नों के उत्तर वास्तव में शुरू करने से पहले उत्तर-पत्रिका पर निर्धारित स्थान में आप अपने हस्ताक्षर एवं बाएँ हाथ के अंगूठे का निशान भी अवश्य लगाएँ। उपर्युक्त अनुदेशों का पूरी तरह अनुपालन किया जाए, अन्यथा आपकी उत्तर-पत्रिका को जाँचा नहीं जाएगा और 'शून्य' अंक दिया जाएगा। (दृष्टिबाधित 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 दिए गए सम्बन्धित अण्डाकार खानों को केवल काले/नीले बॉल-पॉइंट पेन से पूरी तरह काला करके दिखाएँ। जो अण्डाकार खाने काले/नीले बॉल-पॉइंट पेन से नहीं भरे 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 उम्मीदवार को 'शून्य' अंक दिया जाएगा।
- परीक्षा भवन छोड़ने से पहले उम्मीदवार को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए।
- ऊपर के अनुदेशों में से किसी एक का भी पालन न करने पर उम्मीदवार पर विवेकानुसार कार्यवाही की जा सकती है या दण्ड दिया जा सकता है।
- विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे (पृष्ठ संख्या 36) में छपे हुए निर्देशों में दे दी गई है; इसे आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें।
- प्रश्नों के उत्तर जितनी जल्दी हो सके तथा ध्यानपूर्वक दें। कुछ प्रश्न आसान तथा कुछ कठिन हैं। किसी एक प्रश्न पर बहुत अधिक समय न लगाएँ।
- आकृति से सम्बन्धित प्रश्न संख्या 39 से 50 तथा 144 से 150 के बदले में केवल दृष्टिबाधित उम्मीदवारों द्वारा हल किए जाने के लिए वैकल्पिक प्रश्न दिए गए हैं।
- कोई रफ कार्य उत्तर-पत्रिका पर नहीं करना है। रफ कार्य के लिए स्थान प्रश्नों के नीचे दिया गया है।
- "परीक्षा हॉलों/कमरों में मोबाइल फोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं। उम्मीदवारों 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 AND REASONING

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

1. Produce : Waste :: Contrast : ?
 (A) Similar (B) Correct
 (C) Oppose (D) Contradict

2. Knife : Chef :: ?
 (A) Carpenter : Saw
 (B) Newspaper : Editor
 (C) Oxygen : Man
 (D) Plough : Farmer

3. FILM : ADGH :: MILK : ?
 (A) ADGF (B) HDGE
 (C) HDGF (D) HEGF

4. NIATRUC : CURTAIN :: ENILUCSAM : ?
 (A) MNIUSLUCE (B) MASCULINE
 (C) MUNISLCUE (D) MSINUCLUE

5. 112 : 222 :: 442 : ?
 (A) 884 (B) 886
 (C) 552 (D) 882

6. 08 : 09 :: ? : 25
 (A) 64 (B) 16
 (C) 27 (D) 36

Directions : In questions no. 7 to 12, select the one which is different from the other three alternatives.

7. (A) Pomegranate (B) Guava
 (C) Papaya (D) Mango

8. (A) Gautam Buddha
 (B) Jesus Christ
 (C) Hazrat Muhammad
 (D) Sri Ramakrishna Dev

9. (A) 38 (B) 95
 (C) 76 (D) 64

10. (A) (95, 152) (B) (76, 133)
 (C) (114, 57) (D) (38, 144)

11. (A) AEI (B) EIO
 (C) IOU (D) OUG

12. (A) AFKPU (B) EJOTY
 (C) INSXC (D) MRVBG

13. Which one of the given responses would be a meaningful order of the following ?

1. Cloth 2. Thread
 3. Dress 4. Cotton
 5. Weaving

- (A) 3, 5, 2, 4, 1 (B) 4, 2, 5, 1, 3
 (C) 3, 1, 5, 4, 2 (D) 2, 5, 4, 3, 1

14. Arrange the following words as per order in the dictionary :

1. Insensible 2. Insensate
 3. Insentinent 4. Insensitive
 5. Instrument

- (A) 2, 1, 4, 3, 5 (B) 2, 3, 4, 1, 5
 (C) 5, 1, 2, 4, 3 (D) 4, 2, 1, 5, 3

15. In the following question, letters and numbers are in accordance with a pattern. Discover the pattern and pick the correct answer from the answer choices to fill in the gaps.

A B _ 4 E F _ 8 I _ _ 12 M N _ P

- (A) 2, 5, P, 8, K (B) 3, 7, J, 11, O
 (C) 6, 7, L, 6, K (D) 5, 7, I, 9, K

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

16. hqva, clqv, ?, yhmr

- (A) gpvy (B) gkuz
(C) gpuz (D) govz

17. 2, 5, 12, 27, ?

- (A) 56 (B) 57
(C) 58 (D) 59

18. 3, 5, 35, 10, 12, 35, 17, ?, ?

- (A) 22, 35 (B) 35, 19
(C) 19, 35 (D) 19, 24

19. Anjali is the daughter of the only sister of Smita's mother. How is Smita related to Anjali?

- (A) Daughter (B) Cousin
(C) Mother (D) Aunt

20. In a test, 3 marks are given to each correct answer and 2 marks are cut for each wrong answer. In that test of 50 questions, a student got 60 marks. How many questions did he solve correctly?

- (A) 26 (B) 18
(C) 32 (D) 39

21. The present ages of Gaurav and Saurav are in the ratio of 6 : 7 respectively. After 6 years their ages will be in the ratio of 15 : 17, respectively. What is Gaurav's present age?

- (A) 28 years (B) 25 years
(C) 24 years (D) 23 years

22. From the given alternatives, select the word which **cannot** be formed using the letters of the given word.

STANDARDIZATION

- (A) STATION (B) DIAS
(C) DARE (D) RATION

23. From the given alternative words, select the word which can be formed using the letters of the given word.

REMINISCENCE

- (A) INSANE (B) SINCERE
(C) MANNERS (D) SERVICE

24. How many meaningful words of 3 or more letters, can be formed with the letters of the word 'EAMIL'?

- (A) 1 (B) 2
(C) 4 (D) 6 or more

25. If in a certain code 'TIGER' is coded as 'UHHDS', then the code for 'LION' would be

- (A) MJPM (B) MJNO
(C) KJPO (D) MHPM

26. If PAINT is coded as 74128 and EXCEL is coded as 93596, then how would you encode ACCEPT?

- (A) 455978 (B) 547978
(C) 554978 (D) 735961

27. If 'four tall boys' is coded as 519, 'Tarun is a good father' is coded as 20749 and 'Tarun has four toys' is coded as 2358, then 'Tarun has four pencils' can be coded as

- (A) 2591 (B) 2354
(C) 2356 (D) 2537

28. Select the correct combination of mathematical signs to replace * signs to balance the given equation.

$$4 * 7 * 10 * 5 * 3 * 7 * 47$$

- (A) $\times - \div + \times =$ (B) $- + \div \times - =$
 (C) $+ \times - \div \times =$ (D) $\div \times + - + =$
29. $410 + x + y - 305 = 171$. If $x = 2y$, then find the value of y .
 (A) 22 (B) 23
 (C) 66 (D) 84
30. Some equations have been solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.
 $96 + 31 = 32$, $76 + 73 = 14$, $88 + 96 = ?$
 (A) 21 (B) 03
 (C) 13 (D) 28
31. X stands for addition, V stands for subtraction, U stands for equal to, \wedge stands for division, Σ stands for multiplication, ∂ stands for $>$, σ stands for $<$. Which expression is true?
 (A) $3 \times 8 \vee 2 \cup 12 \wedge 3$
 (B) $13 \vee 12 \times 9 \vee 2 \partial 5 \Sigma 1$
 (C) $3 \Sigma 2 \Sigma 4 \cup 2 \times 7 \vee 3$
 (D) $2 \Sigma 3 \Sigma 4 \sigma 5 \wedge 3$

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

32.

108	17	9
208	31	8
245	?	7

 (A) 25 (B) 32
 (C) 35 (D) 40
33.

4	5	6
2	3	7
1	8	3
21	98	?

 (A) 94 (B) 76
 (C) 73 (D) 16

34.

36	25	64
16	9	36
4	1	?

 (A) 25 (B) 16
 (C) 49 (D) 64

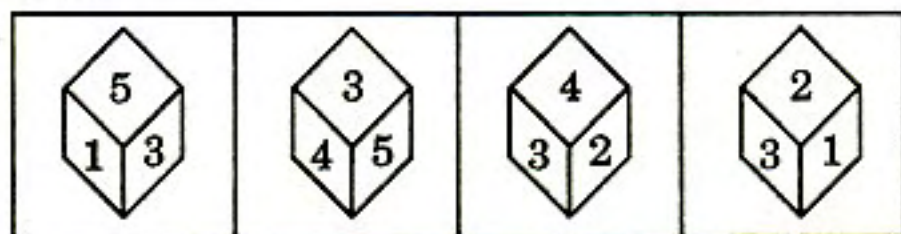
35. Bhairav walked 30 ft towards North, then took a left turn and walked 15 ft. He again took a left turn and walked 30 ft. How far and in which direction is Bhairav from the starting point?
 (A) 30 ft to the East
 (B) 15 ft to the North
 (C) 15 ft to the West
 (D) 45 ft to the South
36. Kunal and Vikram start from a fixed point. Kunal moves 4 km to the South, then turns left and moves 3 km. Vikram moves 3 km towards West, then turns right and moves 4 km further. How far apart are they now?
 (A) 10 km (B) 14 km
 (C) 7 km (D) 13 km
37. Two statements are given followed by two conclusions, I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions can definitely be drawn from the given statements. Indicate your answer.
Statements :
 All vehicles need fuel to run.
 Bullock carts can run without fuel.
Conclusions :
 I. Bullock cart is not a vehicle.
 II. Some vehicles run without fuel.
 (A) Only conclusion I follows
 (B) Only conclusion II follows
 (C) Neither conclusion I nor II follows
 (D) Both conclusions I and II follow

38. I. The Oberio Mall has more stores than Raghuleela Mall.
 II. The Growell Mall has fewer stores than Raghuleela Mall.
 III. The Oberio Mall has more stores than Growell Mall.

If Statements I and II are true, then Statement III is

- (A) True (B) False
 (C) Uncertain (D) Vague

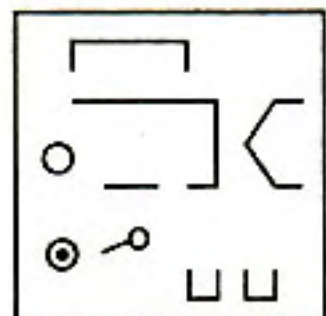
39. Which number will occur on the face opposite to 4?



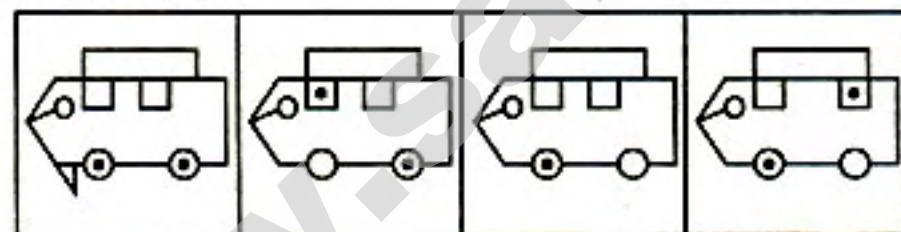
- (A) 3 (B) 6
 (C) 1 (D) 5

40. Identify the answer figure from which the pieces given in the question figure have been cut.

Question figure :



Answer figures :



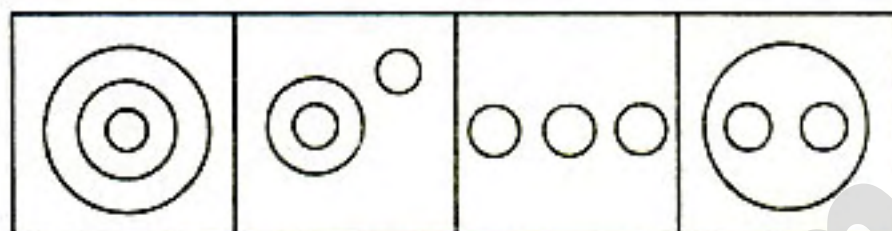
- (A) (B) (C) (D)

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



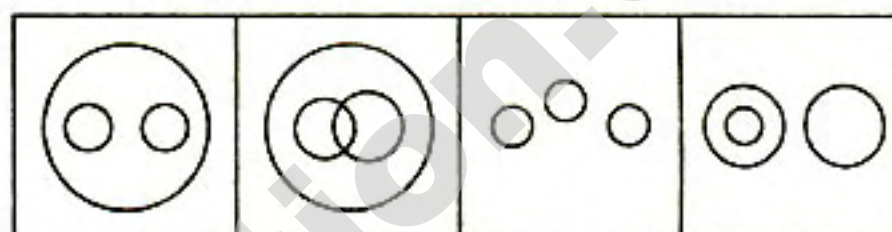
- (A) 16 (B) 32
 (C) 36 (D) 40 or more

42. Which one of the following diagrams best depicts the relationship among Mountain, Earth, Moon?



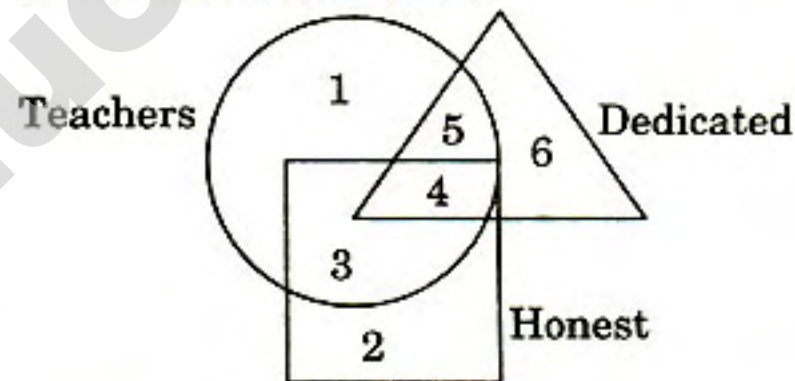
- (A) (B) (C) (D)

43. Indicate which figure will best represent the relationship among the three : Omnivorous, Bear, Crow



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

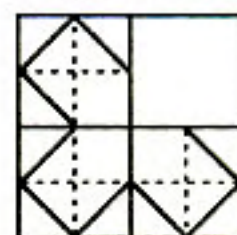
44. Among the teachers, find out the dedicated teachers who are honest.



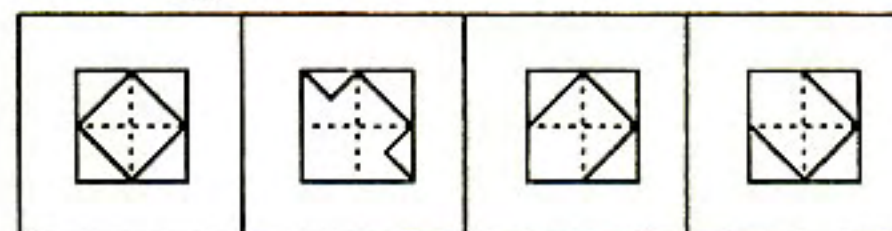
- (A) 2 (B) 3
 (C) 4 (D) 5

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

45. Question figure :



Answer figures :

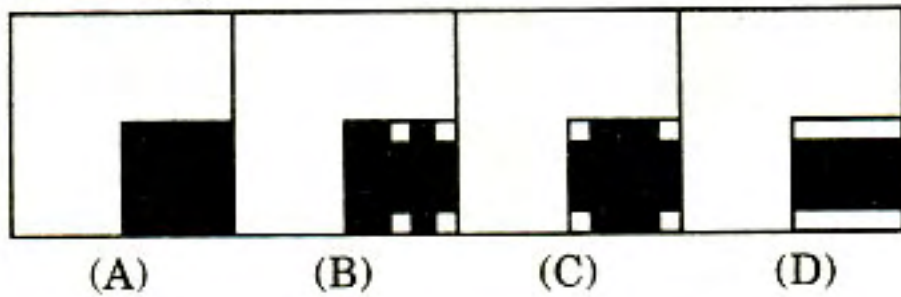


- (A) (B) (C) (D)

46. Question figure :



Answer figures :

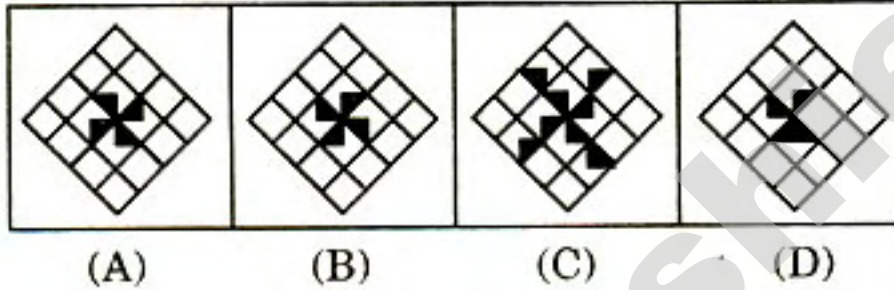


47. From the given answer figures, select the one in which the question figure is hidden/embedded.

Question figure :

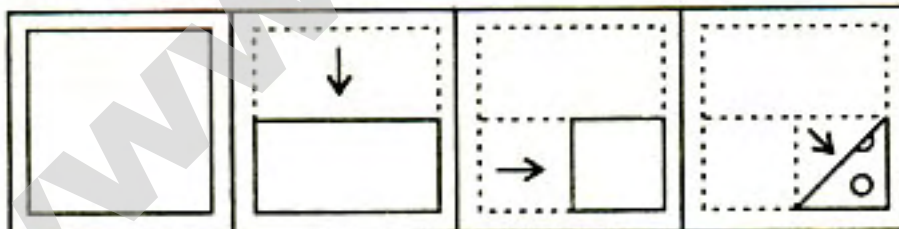


Answer figures :

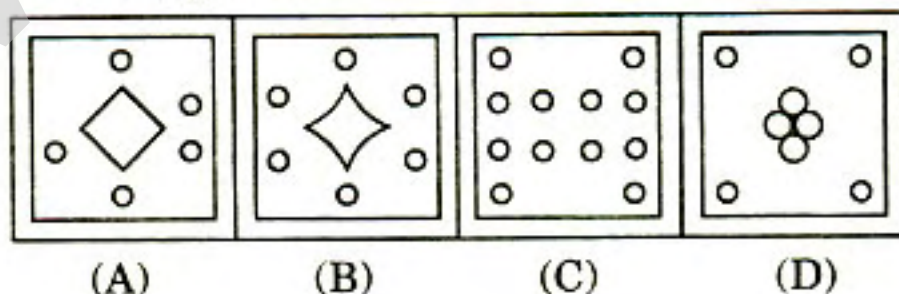


48. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figures :

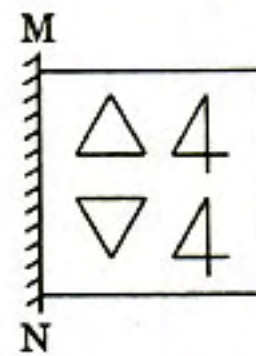


Answer figures :

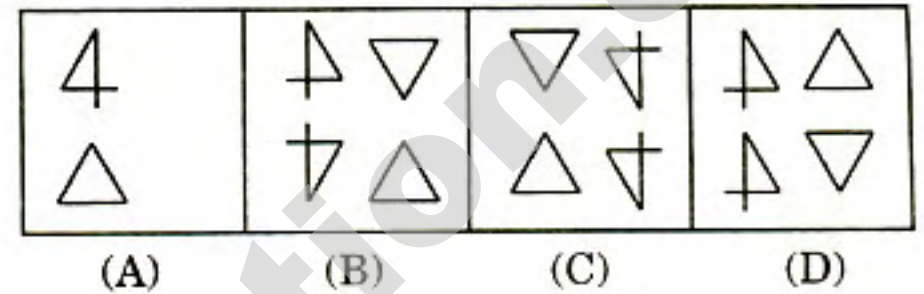


49. If a mirror is placed on the line MN, then which of the answer figures is the correct image of the question figure ?

Question figure :



Answer figures :



50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'N' can be represented by 04, 11, etc. and 'P' can be represented by 59, 66, etc. Similarly, you have to identify the set for the given word :

AERO

Matrix I

	0	1	2	3	4
0	R	S	A	C	N
1	C	N	R	S	A
2	S	A	C	N	R
3	N	R	S	A	C
4	A	C	N	R	S

Matrix II

	5	6	7	8	9
5	O	B	K	E	P
6	E	P	O	B	K
7	B	K	E	P	O
8	P	O	B	K	E
9	K	E	P	O	B

- (A) 02, 65, 31, 68
 (B) 33, 77, 23, 98
 (C) 21, 65, 24, 67
 (D) 40, 56, 43, 55

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39. In a colour scheme, if brown stands for black, green stands for pink, pink stands for blue, what would be the colour of coal ?
 (A) Brown (B) Pink
 (C) Blue (D) Black
40. If A = 1, C = 3 and so on, what does the following group of numbers stand for ?
 8, 25, 16, 15, 19, 20, 1, 19, 9, 19
 (A) hypoglycemia
 (B) hypostasis
 (C) hyperventilate
 (D) hypochondria
41. FINGER : HHPFGQ, then REQUIRE : ?
 (A) TDSWKQG (B) TDSTQKG
 (C) TDSTKQG (D) TDTSKQG
42. Five individuals L, M, N, O, P are standing in a queue. M is between L and N and O is between N and P. If the distance of N from M is equal to the distance of O from N, what is the relation between the distances of L to M and M to P ?
 (A) Both are equal
 (B) LM is smaller than MP
 (C) LM is larger than MP
 (D) There is no relation between LM and MP
43. In a queue, Sonam is standing on 13th position from left and Poonam is standing on 11th position from right. If they exchange the positions, Sonam stands on 17th position from left. How many girls are there in the queue ?
 (A) 27 (B) 28
 (C) 30 (D) 31
44. A group of alphabets is given with each being assigned a number. These have to be unscrambled into a meaningful word and the correct order of letters may be indicated from the given responses.
 P K T C A I S L E
 1 2 3 4 5 6 7 8 9
 (A) 971624358 (B) 314672589
 (C) 729136458 (D) 791326548
45. 'Stone' is related to 'Sculptor' in the same way as 'Canvas' is related to
 (A) Painter (B) Cloth
 (C) Colours (D) Painting
46. Which number is *wrong* in the given series ?
 5, 9, 17, 30, 45, 65, 89
 (A) 17 (B) 45
 (C) 30 (D) 65
47. If by looking in a mirror it appears that it is 9 : 30 in the clock, what is the real time ?
 (A) 4 : 30 (B) 6 : 10
 (C) 6 : 30 (D) 2 : 30
48. How many 5's are followed by an odd number and preceded by a prime number ?
 25355725435354
 (A) 3 (B) 4
 (C) 5 (D) 6
49. Ramesh bought some pens on Monday. Next day he bought two more than double the count on Monday. On Wednesday he bought 8 pens. Now he has total 40 pens. How many pens did he buy on Monday ?
 (A) 12 (B) 15
 (C) 10 (D) 8
50. If day before yesterday was Sunday and tomorrow is 19th, what will be the date next Tuesday ?
 (A) 26th (B) 25th
 (C) 11th (D) 27th

PART B : GENERAL AWARENESS

51. Consumers are likely to get a variety of goods under
- (A) Perfect competition
(B) Monopoly
(C) Imperfect competition
(D) Oligopoly
52. Under WTO, Protection of Plant Varieties and Farmers' Rights Legislation was passed in August
- (A) 1999 (B) 2000
(C) 2001 (D) 2002
53. The level of economic activity of an economy largely depends on
- (A) Aggregate Demand in the economy
(B) Aggregate Supply in the economy
(C) Aggregate Investment in the economy
(D) Aggregate Savings in the economy
54. Price discrimination is a feature of
- (A) Monopoly (B) Monopsony
(C) Duopoly (D) Oligopoly
55. If the increase in demand is more than the increase in supply, the price will
- (A) increase
(B) decrease
(C) fluctuate
(D) remain the same
56. The first law officer of the Government of India is
- (A) The Chief Justice of the Supreme Court
(B) The Law Minister
(C) The Attorney-General of India
(D) None of these
57. Who called the newspapers "the Bible of Democracy" ?
- (A) Ernest Barker
(B) Herman Finer
(C) Walter Lippmann
(D) Lindsay
58. 'Sovereignty' is derived from 'Superanus' which is
- (A) a Greek word
(B) a French word
(C) a Latin word
(D) None of the above
59. In which portion of the Constitution, were the goals of the Indian Constitution incorporated ?
- (A) Directive Principles i.e. Part IV
(B) Fundamental Rights i.e. Part III
(C) Preamble
(D) None of the above
60. The Constitution of India was adopted on
- (A) 26th November, 1949
(B) 15th August, 1949
(C) 9th December, 1946
(D) 26th January, 1950
61. Of the following Congress leaders, who was *not* a "Moderate" ?
- (A) Lala Lajpat Rai
(B) Bal Gangadhar Tilak
(C) Bipin Chandra Pal
(D) All of the above
62. Russian Revolution broke out in the year
- (A) 1916 (B) 1917
(C) 1918 (D) 1919

63. Mahavira preached in which language ?
(A) Magadhi
(B) Ardha-Magadhi
(C) Suraseni
(D) Apbhransh
64. Buddha can best be described as a/an
(A) atheist (B) theist
(C) materialist (D) agnostic
65. Which are the four major languages of the Dravidian family ?
(A) Bangla – Tamil – Kannada – Malayalam
(B) Malayalam – Bangla – Marathi – Tamil
(C) Tamil – Telugu – Kannada – Malayalam
(D) Marathi – Kannada – Malayalam – Telugu
66. Lanolin, a fatty substance used in manufacturing of cosmetics, is obtained from
(A) Sheep (B) Cattle
(C) Pig (D) Horse
67. Law of Exclusive Economic Zone is related to
(A) Agriculture (B) Industry
(C) Fishing (D) Dairying
68. Which of the atmospheric layers prevents penetration of great amounts of ultraviolet radiation ?
(A) Ionosphere (B) Ozonosphere
(C) Stratosphere (D) Troposphere
69. On which of the following rivers is Bangkok located ?
(A) Chao Phraya
(B) Chindwin
(C) Salween
(D) Mekong
70. Which of the following is a most modern surveying technique ?
(A) Aerial Photography
(B) Geographical Information System (GIS)
(C) Satellite Remote Sensing
(D) Geodetic Survey System
71. Antibodies combine with antigens
(A) at variable regions
(B) at constant regions
(C) only if macrophages are present
(D) only if macrophages are absent
72. The diseases caused by virus include
(A) Measles, Syphilis, Rabies, Cholera
(B) Polio, Syphilis, Chicken-pox, Mumps
(C) Cholera, Tuberculosis, Meningitis, Syphilis
(D) Measles, Small-pox, Mumps, Rabies
73. Which one of the following combinations is correct ?
(A) *Allium cepa* – Cruciferae
(B) *Acacia* – Caesalpinaceae
(C) *Pyrethrum* – Compositae
(D) *Brassica* – Liliaceae

74. The antibiotic Penicillin was discovered by
 (A) George Stevenson
 (B) Alexander Fleming
 (C) Thomas Alva Edison
 (D) Boyle
75. The group of bacteria which reduces the soil fertility is
 (A) nitrifying (B) denitrifying
 (C) ammonifying (D) detoxifying
76. Tobacco smoke contains
 (A) CO₂, CO and Tar
 (B) CO₂ and Tar
 (C) CO, Polycyclic aromatic hydrocarbon and Tar
 (D) CO₂, CO, Hydrocarbon and Tar
77. Atomiser works on the principle of
 (A) Pascal's law
 (B) Bernoulli's theorem
 (C) Ideal gas equation
 (D) Avogadro's hypothesis
78. Line spectrum is produced by
 (A) H₂ — Hydrogen molecule
 (B) H — Atomic hydrogen
 (C) N₂ — Nitrogen molecule
 (D) O₂ — Oxygen molecule
79. When a body is executing simple harmonic motion and passes through the mean position, it has
 (A) Both kinetic energy and potential energy minimum
 (B) Both kinetic energy and potential energy maximum
 (C) Minimum kinetic energy and maximum potential energy
 (D) Maximum kinetic energy and minimum potential energy
80. When forward bias is applied to a junction diode, it
 (A) increases the potential barrier
 (B) decreases the potential barrier
 (C) reduces the majority-carrier current to zero
 (D) reduces the minority-carrier current to zero
81. "The Stored Program" concept was introduced by
 (A) John von Neumann
 (B) Steve John
 (C) Thomas Hook
 (D) John Miller
82. Which of the following is *not* a search engine?
 (A) altavista.com
 (B) excite.com
 (C) infoseek.com
 (D) intel.com
83. Which of the following gases has the highest average velocity at a certain temperature?
 (A) Oxygen (B) Carbon monoxide
 (C) Neon (D) Methane
84. The universal solvent is
 (A) Aqua regia (B) Hydrochloric acid
 (C) Water (D) Alcohols
85. Dry bleach is done by
 (A) Hydrogen peroxide
 (B) Sulphur dioxide
 (C) Chlorine
 (D) Ozone
86. Cryolite is
 (A) KAl Si₃O₈ (B) 3NaF AlF₃
 (C) Al₂O₃ (D) Al(OH)₃

87. The "coarse particles" denoting air quality for breathing are termed as
 (A) PM 1.0 (B) PM 2.0
 (C) PM 3.0 (D) PM 10.0
88. The snow leopard population in India is estimated to be
 (A) 100 – 200 (B) 400 – 500
 (C) 400 – 700 (D) 400 – 1000
89. A group of interacting living organisms sharing a populated environment is
 (A) Ecosystem (B) Community
 (C) Biome (D) Biosphere
90. "CETP" stands for
 (A) Course on Environment Training and Projects
 (B) Common Effluent Treatment Plant
 (C) Continental Energy, Temperature and Precipitation
 (D) Central Environmental Treatment Plant
91. A film "Sadma" was remade in Hindi based on a Tamil film "Moondram Pirai". The director of the film is also known as "Creator's creator", and his name is
 (A) Kamal Haasan (B) Venkatesh
 (C) Mohan Lal (D) Balu Mahendra
92. The Postal Department of India has recently on 10th February, 2014 released a stamp in memory of a singer named
 (A) Jagjit Singh
 (B) Lata Mangeshkar
 (C) Bhupen Hazarika
 (D) Daler Mehndi
93. The designer-creator of AK-47 assault rifle, Mikhail Kalashnikov is native to
 (A) Russia (B) Sweden
 (C) Italy (D) France
94. A book entitled "The Satanic Verses" is written by
 (A) Wendy Doniger
 (B) Salman Rushdie
 (C) Taslima Nasrin
 (D) Kamal Haasan
95. How many States were there in India as per the 15th Lok Sabha update during February 2014 ?
 (A) 25 (B) 27
 (C) 28 (D) 29
96. Which of the following pairs is *not* correctly matched ?
 (A) Sher-e-Punjab : Lala Lajpat Rai
 (B) Nightingale of India : Pandita Ramabai
 (C) Lokhitwadi : Gopal Hari Deshmukh
 (D) Lokmanya : Bal Gangadhar Tilak
97. Mother Teresa was awarded Nobel Prize for Peace in the year
 (A) 1975 (B) 1979
 (C) 1989 (D) 1995
98. Consumer Protection Act was enacted in
 (A) 1984 (B) 1986
 (C) 1988 (D) 1989
99. Identify the film that was based on the work by Munshi Premchand.
 (A) Pyaasa (B) Paa
 (C) Parineeta (D) Sadgati
100. Which of the following is *not* correct ?
 (A) NMA – National Monuments Authority
 (B) MSP – Maximum Support Price
 (C) ASI – Archaeological Survey of India
 (D) UNDP – United Nations Development Programme

PART C : QUANTITATIVE APTITUDE

101. The number of numbers between 140 and 259, both included, which are divisible by 7 is
 (A) 17 (B) 37
 (C) 18 (D) 16
102. The LCM of $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}, \frac{6}{7}$ is
 (A) $\frac{60}{2} = 30$ (B) $\frac{120}{2} = 60$
 (C) $\frac{10}{7} = 10/7$ (D) $\frac{60}{4} = 15$
103. 24 men complete a job by working 7 hours per day for 27 days. 14 men will complete the same work by working 9 hours per day for
 (A) 20 days (B) 25 days
 (C) 36 days (D) None of the above
104. A can do a piece of work in 24 days, B in 32 days and C in 64 days. All begin to do it together but A leaves after 6 days and B leaves 6 days before the completion of the work. The total number of days they worked for is
 (A) 20 days (B) 8 days
 (C) 16 days (D) 24 days
105. A village road is to be constructed by a team of 250 workers. After 12 days it was found that only $\frac{2}{7}$ th part of the work was completed. To complete the rest in another 25 days, how many more workers should be employed?
 (A) 53 workers (B) 52 workers
 (C) 55 workers (D) 50 workers
106. Find the altitude of a rhombus whose area is 42 cm^2 and perimeter 140 cm.
 (A) 12 cm (B) 14 cm
 (C) 10 cm (D) 8 cm
107. If three sides of a right-angled triangle are $(2q + 1) \text{ cm}$, $(2q - 1) \text{ cm}$ and $2q \text{ cm}$ respectively, then the area of the triangle is
 (A) 2 sq. cm (B) $2q \text{ sq. cm}$
 (C) 6 sq. cm (D) $6q \text{ sq. cm}$
108. If the distance from the centroid to any of the vertices of an equilateral triangle is $2\sqrt{3} \text{ cm}$, then the area of the triangle will be
 (A) 18 sq. cm (B) $9\sqrt{3} \text{ sq. cm}$
 (C) $18\sqrt{3} \text{ sq. cm}$ (D) $4\sqrt{3} \text{ sq. cm}$
109. A trader allows two successive discounts of 20% and 10%. If he gets ₹ 108 for an article, find its marked price.
 (A) ₹ 130 (B) ₹ 140
 (C) ₹ 150 (D) ₹ 138
110. The list price of a digital electronic watch is ₹ 800. A customer gets two successive discounts on the list price, the 1st being of 10%. Calculate the 2nd discount, if the customer pays ₹ 612 for it.
 (A) 14% (B) 13%
 (C) 15% (D) 12%
111. An automobile dealer buys an old motorcycle marked at ₹ 25,000 with 20% and 5% off successively. He spends ₹ 1,000 on its repairs and sells the motorcycle for ₹ 25,000. Find his gain percent.
 (A) 20% (B) 30%
 (C) 25% (D) 28%
112. The ratio of the sides of a triangle are 3 : 4 : 5. If the perimeter of the triangle is 36 cm, then the sides are
 (A) 3 cm, 4 cm, 5 cm
 (B) 8 cm, 12 cm, 16 cm
 (C) 9 cm, 12 cm, 15 cm
 (D) 10 cm, 12 cm, 14 cm
113. A purse contains 225 currency notes consisting of 5-rupee, 10-rupee and 50-rupee currencies in the ratio 3 : 7 : 5 respectively. Out of this, ₹ 25 is spent and the left out money is exchanged for 500-rupee currency notes. Then the number of 500-rupee currency notes is
 (A) 15 (B) 5
 (C) 10 (D) 20

114. If the average of x , $x - 8$, $x + 2$ and $4x + 4$ is 10, then the product of the numbers is
 (A) 2688 (B) -2688
 (C) 10560 (D) -10560
115. A person travels three equal distances with the speed of x km/hr; y km/hr; and z km/hr respectively. Then the average speed of the whole journey, in km/hr, is
 (A) $\frac{2xyz}{xy + yz + zx}$ (B) $\frac{xyz}{xy + yz + zx}$
 (C) $\frac{2xyz}{xy - yz + zx}$ (D) $\frac{3xyz}{xy + yz + zx}$
116. A man sells a T.V. set for ₹ 3,450 and makes a profit of 15%. He sells a second T.V. set at a loss of 10%. If on the whole he neither gains nor loses, find the cost price of the second T.V. set.
 (A) ₹ 3,450 (B) ₹ 4,500
 (C) ₹ 3,018 (D) ₹ 2,016
117. In a class, 55% students passed in Chemistry and 60% passed in Maths, 50% passed in both of these subjects. If 70 students failed in both Chemistry and Maths, then what is the total number of students?
 (A) 700 (B) 350
 (C) 650 (D) 200
118. How does a train 110 metres long, running at the rate of 36 km an hour, take to cross a bridge 132 metres in length?
 (A) 24.3 seconds (B) 24.2 seconds
 (C) 24.1 seconds (D) 24.0 seconds
119. A man is walking at a speed of 12 km per hour. After every km he takes rest for 12 minutes. How much time will he take to cover a distance of 36 km?
 (A) 10 hours (B) 7 hours
 (C) 3 hours (D) 4 hours
120. The difference between simple interest and compound interest on ₹ 4,000 for 3 years at 5% is
 (A) ₹ 30.50 (B) ₹ 60.50
 (C) ₹ 63.50 (D) ₹ 70
121. If $x + y = 5$, then the value of $(x - 2)^3 + (y - 3)^3$ is
 (A) 1.25 (B) 0
 (C) 8 (D) 64
122. If the relation $6x - 9 = a(x + 1) + b(x - 2)$ be an identity of x , then the values of a and b are
 (A) $a = 2, b = 3$ (B) $a = 3, b = 2$
 (C) $a = 5, b = 1$ (D) $a = 1, b = 5$
123. If $x = 3 + 2\sqrt{2}$, then the value of $x^4 + \frac{1}{x^4}$ is
 (A) 1024 (B) 1154
 (C) 1734 (D) 1254
124. If $x + y + z = 0$, then the value of $\frac{(x + y)^3 + (y + z)^3 + (z + x)^3 - 17xyz}{10(x + y)(y + z)(z + x)}$ is
 (A) $3xyz$ (B) 4
 (C) 0 (D) 2
125. The distance between two points (7, 2) and (-5, 2) on the graph paper is
 (A) 12 units (B) 2 units
 (C) 4 units (D) 14 units
126. If $x = \frac{a}{b + c}$, $y = \frac{b}{a + c}$ and $z = \frac{c}{a + b}$, then the value of $xy + yz + 2xyz$ is
 (A) 0
 (B) 1
 (C) 2
 (D) $(a + b)(b + c)(c + a)$

127. If $x + y = 4$, $x - y = 3$, find out the value of $16xy(x^2 + y^2)$.
- (A) 175 (B) 350
(C) 600 (D) 125
128. Find the coefficient of x^2 in the expansion of $(x^2 + x + 1)(x^2 - x + 1)$.
- (A) +1 (B) -1
(C) +2 (D) -2
129. The difference between the exterior and interior angles at a vertex of a regular polygon is 150° . The number of sides of the polygon is
- (A) 10 (B) 15
(C) 24 (D) 28
130. In a triangle ABC, $\angle B = 60^\circ$, $\angle C = 40^\circ$ and AD and AE are respectively the bisector of $\angle A$ and the perpendicular drawn to BC. The $\angle EAD$ is
- (A) 40° (B) 30°
(C) 20° (D) 10°
131. O is the orthocentre of the triangle ABC. If $\angle BOC = 100^\circ$, then $\angle BAC$ is
- (A) 70° (B) 60°
(C) 90° (D) 80°
132. Two circles touch each other externally at P. AB is a common tangent to the circles touching them at A and B. The measure of $\angle APB$ is
- (A) 45° (B) 60°
(C) 90° (D) 75°
133. Three sides of a triangle are $a^2 - 1$, $a^2 + 1$ and $2a$ respectively. Then the greatest angle of the triangle is
- (A) 90° (B) 45°
(C) 60° (D) 30°
134. In a triangle ABC, the external bisectors of $\angle B$ and $\angle C$ meet at O. If $\angle A = 70^\circ$, then the value of $\angle BOC$ is
- (A) 55° (B) 44°
(C) 33° (D) 22°
135. The vertical angles of two isosceles triangles are same and the ratio of their areas is 9 : 16. Then the ratio of their heights is
- (A) 9 : 16 (B) 16 : 9
(C) 3 : 4 (D) 4 : 3
136. AD is the perpendicular drawn from A upon the side BC of ΔABC . If $AD^2 = BD \cdot DC$, then the value of $\angle BAC$ is
- (A) 30° (B) 45°
(C) 60° (D) 90°
137. If $\tan^2 \frac{\pi}{4} - \cos^2 \frac{\pi}{3} = x \sin \frac{\pi}{4} \cos \frac{\pi}{4} \tan \frac{\pi}{3}$, then $x =$
- (A) -1 (B) $\sqrt{2}$
(C) $\frac{1}{2}$ (D) $\frac{\sqrt{3}}{2}$
138. The value of $(1 + \tan \theta + \sec \theta)(1 + \cot \theta - \operatorname{cosec} \theta)$ is
- (A) -1 (B) 1
(C) -2 (D) 2
139. The value of $\sin \theta$ and $\cos \theta$ is always less than 1 in $0 < \theta < 90^\circ$. Then the value of $\sin \theta + \cos \theta$ is
- (A) always less than 1
(B) always greater than 1
(C) 0
(D) always equal to 1
140. $\sin^2 22^\circ + \sin^2 68^\circ + \cot^2 68^\circ$ is equal to
- (A) $\operatorname{cosec}^2 22^\circ \cot^2 68^\circ$
(B) $\sin^2 22^\circ \cot^2 68^\circ$
(C) $\sin^2 68^\circ \cot^2 68^\circ$
(D) $\sin^2 22^\circ \tan^2 68^\circ$

141. If $\sin^2 x + \sin^2 y = 1$, then the value of $\cot(x + y)$ is (assume that $0 < x, y < 90^\circ$)
- (A) 1 (B) $\frac{3}{2}$
(C) 0 (D) 2

142. Evaluate : $\sin^6 \theta + \cos^6 \theta + 3 \sin^2 \theta \cos^2 \theta$
- (A) 0 (B) -1
(C) 1 (D) 2

143. A kite is flying at a height of 75 m from the level ground, attached to a string inclined at 60° to the horizontal. The length of the string is

- (A) $50\sqrt{3}$ m (B) $\frac{50}{\sqrt{3}}$ m
(C) $50\sqrt{2}$ m (D) $\frac{50}{\sqrt{2}}$ m

Directions : Study the following table carefully and answer the questions no. 144 to 147.

Various foodgrains sold by various farmers at various prices (₹ per kg)					
Farmers	Rice	Corn	Bajra	Paddy	Jowar
A	30	22.5	22	24	18
B	36	28	24.5	25	24
C	40	24	21	26	20.5
D	34.5	27.5	28	25	25
E	36	32	30	28.5	27

144. Earnings on 150 kg of paddy sold by farmer B are approximately what percent of the earnings on the same amount of rice sold by the same farmer ?

- (A) 65 (B) 69
(C) 73 (D) 60

145. If farmer A sells 350 kg of rice, 150 kg of corn and 250 kg of jowar, how much would he earn ?

- (A) ₹ 19,425 (B) ₹ 18,500
(C) ₹ 15,585 (D) ₹ 18,375

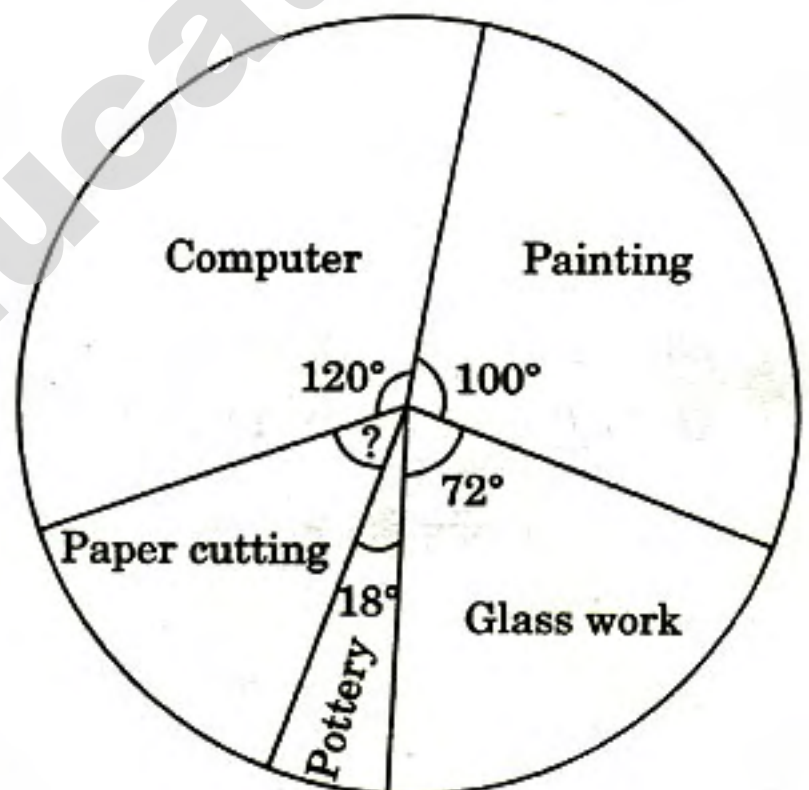
146. What is the average price per kg of Bajra sold by all the farmers together ?

- (A) ₹ 25.10 (B) ₹ 24.50
(C) ₹ 25.00 (D) ₹ 23.40

147. If farmer D and farmer E, both sell 240 kg of Bajra each, what would be the respective ratio of their earnings ?

- (A) 15 : 14 (B) 11 : 13
(C) 14 : 15 (D) 13 : 15

Directions : The following pie chart shows the different angles of sectors corresponding to the number of students in various classes in a "Hobby School" having 540 total number of students. Study the pie chart and answer the questions no. 148 to 150.



148. The number of students attending the paper cutting class is

- (A) 70 (B) 65
(C) 80 (D) 75

149. The percentage of students attending the "glass work" class is

- (A) 30% (B) 20%
(C) 45% (D) 60%

150. The ratio of the students attending the computer class to painting class is

- (A) 6 : 5 (B) 4 : 3
(C) 5 : 4 (D) 3 : 2

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144. Three rational numbers which lie between the rational numbers $\frac{3}{5}$ and $\frac{2}{3}$ are

- (A) $\frac{37}{60}, \frac{13}{20}, \frac{41}{60}$
(B) $\frac{13}{20}, \frac{41}{60}, \frac{11}{15}$
(C) $\frac{19}{30}, \frac{13}{20}, \frac{41}{60}$
(D) $\frac{37}{60}, \frac{19}{30}, \frac{13}{20}$

145. The price of an article is fixed with 20% profit. What will be the profit or loss percent if the article is sold allowing a discount of $12\frac{1}{2}\%$ on the marked price ?

- (A) 20% profit
(B) 10% profit
(C) 5% profit
(D) 10% loss

146. The ratio of Rama's age and Shyama's age is 5 : 1. The product of their ages is 125 years. The ratio of their ages after 3 years will be

- (A) 8 : 3
(B) 2 : 1
(C) 5 : 1
(D) 7 : 2

147. The average age of 27 girls and the teacher is 14 years. When the teacher's age is excluded, the average age decreases by 1. What is the age (in years) of the teacher ?

- (A) 39
(B) 40
(C) 41
(D) 42

148. A shopkeeper sold two articles for ₹ 9,900 each. On one he gained 10% and on the other he lost 10%. Then the loss or gain % is

- (A) 2% loss
(B) 2% gain
(C) 1% gain
(D) 1% loss

149. What percent of 7.2 kg is 18 grams ?

- (A) 25%
(B) 2.5%
(C) 0.25%
(D) 0.025%

150. Compound interest on ₹ 1,200 for 2 years at 5% is

- (A) ₹ 120
(B) ₹ 123
(C) ₹ 125
(D) ₹ 130

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. Fifty years has passed / since man first ventured / into outer space. / No error.
(A) (B) (C) (D)
152. In his book / Churchill describes / that historical first meeting with Roosevelt. / No error.
(A) (B) (C) (D)
153. The ant who was nearby / walked forward and bit the hunter / sharply in the ankle. / No error.
(A) (B) (C) (D)
154. They can promise you / an experience / you won't never forget. / No error.
(A) (B) (C) (D)
155. The dress that the / girl wore was / more attractive than the other girls. / No error.
(A) (B) (C) (D)

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

156. Some people regard the world as an _____.
(A) allusion (B) illusion
(C) elision (D) imitation
157. I can _____ him without qualifications.
(A) commend (B) praise
(C) suggest (D) recommend
158. She let her horse _____ in the field.
(A) loose (B) loosely
(C) lose (D) loosen
159. It is hoped that a _____ will be reached in the meeting.
(A) comparison (B) compromise
(C) compression (D) statement
160. We are fortunate to have extremely _____ and visionary leaders.
(A) complex (B) complaisant
(C) competent (D) competitive

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. Voracious
(A) hasty (B) thirsty
(C) greedy (D) hungry
162. Scintillating
(A) interesting (B) burning
(C) glittering (D) moving
163. Transient
(A) transparent (B) feeble
(C) fanciful (D) fleeting

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. Flexible
(A) rigid (B) gentle
(C) rough (D) blunt
165. Obscure
(A) gloomy (B) unpleasant
(C) dark (D) clear
166. Virtue
(A) vice (B) anger
(C) ill-temper (D) fault

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. The performance of the lead actors in the play brought the house down.
(A) made the audience leave
(B) made the audience cry
(C) made the audience request an encore
(D) made the audience applaud enthusiastically
168. People like her, who are salt of the earth, are very difficult to find.
(A) good, honest and ideal
(B) extraordinary
(C) one with the common folk
(D) dedicated to better the world
169. The Alpha and Omega
(A) a Shakespearean play
(B) a Greek song
(C) a Swiss watch
(D) beginning and end
170. Jane earned pin money working part-time as a waitress.
(A) additional money
(B) a small amount of money
(C) money to be spent only for luxuries and treats
(D) saved money
171. The present manner of delimitation has been done in a gerrymandering way.
(A) in a judicial and fair way
(B) in a manipulative and unfair way
(C) in a dictative manner like the Germans
(D) in a legal and constitutional manner

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

172. Shakespeare is greater than any other poet.
(A) greater than all poets
(B) greater than many poets
(C) greater as any other poet
(D) No improvement

173. I saw the woman whom you said lived next door.
(A) which you said lived next door
(B) that you said live next door
(C) who you said lived next door
(D) No improvement
174. A thousand rupees are all that he wants.
(A) is (B) are
(C) was (D) No improvement
175. I have never been hearing from him since he left for America.
(A) was never heard
(B) have never heard
(C) have never been hearing
(D) No improvement
176. The camera I bought recently is not convenient.
(A) difficult to use (B) easy to use
(C) hard to use (D) No improvement
177. You are a mechanic, aren't you ?
(A) are (B) wasn't
(C) isn't (D) No improvement
178. Sincere workers do not rest till they have reached perfection in their work.
(A) they having reached
(B) they had achieved
(C) they have achieved
(D) No improvement
179. The interesting tale had its beginning more than fifty years ago.
(A) initiated (B) began
(C) was started (D) No improvement
180. One of her friends had just got down from the bus.
(A) landed from (B) alighted from
(C) arrived in (D) No improvement
181. Loose tea leaves are kept in a tea box.
(A) caddy (B) tin
(C) cosy (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/sentences and indicate it by blackening the appropriate oval (●) in the Answer Sheet.

182. A word or practice that has gone out of use
(A) absolute (B) outdated
(C) old-fashioned (D) obsolete
183. Favouritism granted in politics or business to relatives
(A) nepotism (B) hedonism
(C) redtapism (D) monotheism
184. A person who collects coins
(A) numismatist (B) philatelist
(C) coin collector (D) ornithologist
185. A supplement to a will
(A) adjunct (B) effusion
(C) codicil (D) furlough
186. Estimation of a thing's worth
(A) goodness (B) appraisal
(C) beliefs (D) pay
187. To free completely from blame
(A) clear (B) exonerate
(C) release (D) let go
188. A person who works for an employer for a fixed period of time in order to learn the particular skills needed in their job
(A) worker (B) employee
(C) apprentice (D) labourer

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) cleptomaniac (B) kleptomaniac
(C) cleptomeniac (D) kleptomaniec
190. (A) silhouette (B) silohoutte
(C) silhoutte (D) silhouete

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

Passage I (Q. Nos. 191 to 195)

India is chiefly an agricultural land. The cultivation of crops depends on a proper supply of water throughout the year. Since olden times, large parts of our country have suffered from occasional periods of too much rain and those of drought. People have known that if surplus flood water could be stored away for use during the dry season, these problems will be solved. Unfortunately, they had neither the knowledge nor the means to do much in this direction. Whatever little they knew, they tried to put into practice. They dug canals to drain water from perennial rivers. This was heavy and expensive work and practicable over only a small area. Large tanks were excavated and small dams built to hold back floods. But it was not possible to do anything on a countrywide scale.

191. How has our country suffered since olden times ?
(A) It has suffered from heavy rains or severe droughts
(B) It has suffered under the British Rule
(C) It has suffered due to the caste system
(D) It has suffered due to the zamindari system
192. Why were the people unable to solve the problem ?
(A) They were indifferent to the problem
(B) They lacked knowledge and the means to solve the problem
(C) Inadequate finance
(D) Absence of will power
193. The term 'perennial' means
(A) flowing once a year
(B) flowing throughout the year
(C) flowing during the monsoon
(D) rivers flowing into canals

194. India's economy is chiefly

- (A) Industrial
- (B) Mixed
- (C) Agricultural
- (D) Socialistic

195. 'Excavated' means

- (A) to make caves
- (B) to dig
- (C) to flood
- (D) to fill

Passage II (Q. Nos. 196 to 200)

Stop reading this passage for a few seconds and look around the room you're in. Without any perceived effort at all on your part, your brain will register everything within the scope of your vision. But where does all that information — known as sensory memory — go? Well, pretty quickly, it vanishes.

So what if you want to hold on to these fleeting memories for longer? The answer is obvious: you need to pay conscious attention to the sensory input we are receiving. By focusing on it, you can take the information to the next memory level, and turn it into working — or short-term — memory. This enables you, say, to remember the words you've just read so that what follows makes overall sense.

True to its name, short-term memory lasts for only a few seconds to a few minutes, but it plays a vital role in our daily lives, allowing us to write down doctor's appointments, make everyday decisions or have a conversation (think about it: you have to recall what someone said to you five seconds ago in order to respond). Of course, there is some information you need to keep for days, months

or even years. What you need here is long-term memory. With this, the potential is there to remember something forever.

196. The information that your brain stores within a fleeting moment is called

- (A) sensory memory
- (B) short-term memory
- (C) long-term memory
- (D) memory level

197. The information stored in your sensory memory generally

- (A) stays with you for a short while
- (B) disappears completely
- (C) lingers in your brain
- (D) stays with you forever

198. To convert a sensory memory into a short-term memory we must

- (A) focus on the information
- (B) concentrate on what we are looking at
- (C) be consciously attentive to sensory input
- (D) ignore a sensory input completely

199. Short-term memory allows us to

- (A) remember an event during childhood
- (B) remember simple things like appointments
- (C) remember plenty of dates and numbers
- (D) remember events for many years

200. Long-term memory helps us

- (A) remember a thing for a long time
- (B) forget things for a long time
- (C) erase short-term memory
- (D) forget unimportant things