DO NOT OPEN THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO.

1482228

EA 2013

Test Form No. टेस्ट फॉर्म सं. 319 RH 7

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

INSTRUCTIONS TO CANDIDATES

 This Booklet contains 200 questions in all comprising the following four parts:

Part A: General Intelligence and Reasoning Part B: General Awareness (50 Questions) (50 Questions)

Part C: Quantitative Aptitude
Part D: English Comprehension

(50 Questions) (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.
- 5. 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.
- 6. You will be supplied the Answer-Sheet separately by the Invigilator. You must complete and code the details of Name, Roll Number, Ticket Number and Test Form Number 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.)
- 7. 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.
- 8. A machine will read the coded information in the OMR Answer-Sheet. In case the information is incomplete or different from the information given in the application form, the candidate will be awarded 'ZERO' mark.
- The Answer-Sheet must be handed over to the Invigilator before you leave the Examination Hall.
- 10. Failure to comply with any of the above instructions will render a candidate liable to such action/penalty as may be deemed fit.
- 11. 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.
- 12. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
- 13. In lieu of Question Nos. 39 to 50 and 144 to 150 relating to figural portions, alternate questions have been provided to be attempted by VH candidates only.
- 14. No rough work is to be done on the Answer-Sheet. Space for rough work has been provided below the questions.
- 15. "Mobile phones and wireless communication devices are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even 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) (50 प्रश्न) (50 प्रश्न)

भाग ख : सामान्य जानकारा भाग ग : परिमाणात्मक अभिरुचि भाग घ : अंग्रेज़ी परिज्ञान

(50 प्रश्न)

- अंग्रेज़ी और हिन्दी भाषा में तैयार किए गए द्विभाषी प्रश्नों में कोई विसंगति होने की स्थिति में अंग्रेज़ी विवरण मान्य होगा ।
- 3. सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं।
- प्रश्न-पत्र में नकारात्मक अंकन होगा । हर ग़लत उत्तर के लिए 0-25 अंक काटा जाएगा ।
- 5. 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 बुटि पाएँ, तो तत्काल इसके बदले दूसरी पुस्तिका ले लें ।
- 6. 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 ।)
- 7. उत्तर-पत्रिका में सभी उत्तर Side-II में प्रश्न संख्या के सामने दिए गए सम्बन्धित अण्डाकार खानों को केवल कालो/नीले बॉल-पॉइंट पेन से पूरी तरह काला करके दिखाएँ । जो अण्डाकार खाने कालो/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 ।
- 11. 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 ।
- 13. 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।
- 14. कोई रफ़ कार्य उत्तर-पत्रिका पर नहीं करना है । रफ़ कार्य के लिए स्थान प्रश्नों के नीचे दिया गया है ।
- 15. "परीक्षा हॉलों। कमरों में मोबाइल फ़ोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं। उम्मीदवारों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फ़ोन। किसी अन्य बेतार संचार साधन को स्विच 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 रह 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. Metaphysics: Creation:: Epistemology: ?
 - (A) Knowledge
- (B) Logic
- (C) Creator
- (D) Soul
- 2. Sea: Ship::?
 - (A) Road : People
 - (B) River: Transport
 - (C) Railway tracks: Train
 - (D) Sky: Birds
- 3. MPRV : SOPT : : RPMV : ?
 - (A) PSOT
- (B) SOTP
- (C) POST
- (D) OSTP
- 4. TEKCUB : BUCKET : : TCEJORP : _?
 - (A) REJECT
- (B) PROJECT
- (C) CEJTORP
- (D) JORPTCE
- **5.** 1234:4132::5678:?
 - (A) 8765
- (B) 8576
- (C) 8675
- (D) 8567
- 6. 7:53:: ? : 173
 - (A) 13
- (B) 14
- (C) 22
- (D) 18

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

- 7. (A) Armlet
- (B) Bangles
- (C) Bracelet
- (D) Locket
- 8. (A) Batsman
- (B) Goalkeeper
- (C) Umpire
- (D) Bowler

- A (A) 55
- (B) 49
- (C) 50
- (D) 63
- 10. (A) (18, 81)
- (B) (17, 71)
- (C) (25, 42)
- (D) (29, 92)
- 11. (A) NPM
- (B) BHK
- (C) IJL
- (D) XGT
- 12. (A) SCHAMOT
- (B) LABLOTOF
- (C) CEKTRIC
- (D) SNINET
- 13. Which one of the given responses would be a meaningful order of the following?
 - 1. Deca
- 2. Octa
- 3. Hepta
- 4. Nona
- 5. Hexa
- (A) 5, 3, 2, 4, 1
- (B) 5, 4, 3, 1, 2
- (C) 5, 3, 4, 2, 1
- (D) 4, 5, 2, 3, 1
- 14. Arrange the following words as per order in the English dictionary:
 - 1. Transfixed
- 2. Tranquilizer
- 3. Transaction
- 4. Transparency
- 5. Trampoline
- (A) 2, 5, 1, 3, 4
- (B) 5, 2, 3, 1, 4
- (C) 3, 5, 1, 4, 2
- (D) 5, 2, 3, 4, 1
- 15. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

- (A) eebdbd
- (B) edebdb
- (C) ebdedb
- (D) eebddb

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. AGMS, TNHB, CIOU, ?
 - (A) XRLF
- (B) WQKE
- (C) VPJD
- (D) MNOP
- 17. 4, 7, 12, 21, ?
 - (A) 30
- (B) 38
- (C) 39
- (D) 42
- 18. 91, 273, 455, 637, ? , 9911
 - (A) 899
- (B) 10011
- (C) 819
- (D) 1011
- 19. A man pointing to a woman said, "She is the widow of my only uncle's brother's son." How is the woman related to the man?
 - (A) Aunt
 - (B) Sister
 - (C) Niece
 - (D) Sister-in-law
- 20. Vikas takes 15 seconds to stand up from the ground and 11 seconds to sit on the ground. He has to continue this process for some time. Within 93 seconds, how many times must he have stood up?
 - (A) 3 times
- (B) 6 times
- (C) 5 times
- (D) 4 times
- 21. A mother's age is thrice that of her daughter's age. Six years ago, the mother's age was five times that of the daughter's age. What was the daughter's age 6 years ago?
 - (A) 6 years
- (B) 12 years
- (C) 30 years
- (D) 36 years

22. From the given alternative words, select the word which cannot be formed using the letters of the given word.

RAPPROCHEMENT

- (A) REPRESENT
- (B) REPROACH
- (C) PHANTOM
- (D) CEMENT
- 23. From the given alternative words, select the word which can be formed using the letters of the given word.

OMNIPRESENT

- (A) TENSION
- (B) ESCORT
- (C) PRESIDENT
- (D) ERASER
- 24. How many meaningful English words of three or more letters, can be formed from the word "TONE" beginning with "N" and without repeating any letter?
 - (A) 1
- (B) 2
- (C) 3
- (D) 4 or more
- 25. In a certain code, BUILDER is written as JVCKSFE. How is SEALING written in that code?
 - (A) BTFKHOJ
- (B) JOHKBFT
- (C) TFBKHOJ
- (D) BFTKHOJ
- 26. If 'SWTFP' is coded as '15467' and 'KSLFF' is coded as '21366', then how can 'KTLFP' be coded?
 - (A) 24367
- (B) 21342
- (C) 21675
- (D) 22637
- 27. In a certain code '482' means 'Life is beautiful', '875' means 'Gold is costly' and '236' means 'Ornaments are beautiful'. Which of the following is the code for 'Life'?
 - (A) 2
- (B) 8
- (C) 4
- (D) 5

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

(B)
$$\times + = \times -$$

(D)
$$= \times \div - +$$

29. What should come in place of the question mark?

$$45 \div 15 \times ? + 6 = 15$$

- (A) 11
- (B) 06
- (C) 03
- (D) 09
- Find out the related number to complete the equation.

If 879 = 8 and 625 = 1, 785 is equivalent to what?

- (A) 9
- (B) 7
- (C) 6
- (D) 0

31. In the following problem, '=' stands for '÷', '+' stands for '-', 'x' stands for '=', '-' stands for '>', '>' stands for '+', '<' stands for 'x', '÷' stands for '<'. Find the wrong identity.

- (A) $5 < 3 + 4 \times 8 > 3$
- (B) $5 > 3 + 4 \div 8 + 3$
- (C) $5+3<4\times8+3$
- (D) $5 > 3 = 4 \div 18 + 3$

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

- of 34. 20 15 30 to 28 25 42 36 35 ?
 - (A) 84
- (B) 54
- (C) 46
- (D) 72

35. If South-East becomes North and North-East becomes West and all directions change accordingly, then what will be the new direction for East?

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

36. A man travels 8 km to the West, turns to the left and then travels 6 km. How far is he from the starting point?

- (A) 10 km
- (B) 15 km
- (C) 5 km
- (D) 20 km

37. A statement is given followed by two conclusions, I and II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions can definitely be drawn from the given statement. Indicate your answer.

Statement:

Earth revolves round the Sun, and not the Sun revolves round the Earth.

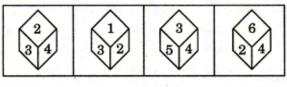
Conclusions:

- I. Only the Earth revolves round the Sun.
- II. The Sun does not revolve round the Earth but the other planets.
- (A) Only conclusion I is correct
- (B) Only conclusion II is correct
- (C) Both conclusions are correct
- (D) Neither conclusion I nor II is correct

- 38. I. All plants in the garden are flowering | 42. plants.
 - II. Some plants in the garden are dogwood.
 - III. All dogwood in the garden are flowering plants.

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

- (A) True
- (B) False
- (C) Uncertain
- (D) Vague
- 39. Four positions of a dice are given below. Identify which number is on the face opposite 2.



- (A) 3
- (B) 4

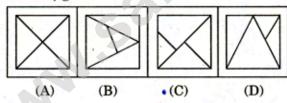
(C) 5

- (D) 6
- 40. Identify the answer figure from which the pieces given in the question figure have been cut.

Question figure:



Answer figures:

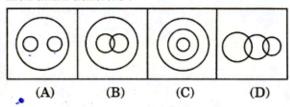


41. How many rectangles are there in the given figure?

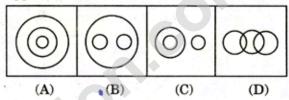


- (A) 26
- (B) 25
- (C) 6
- (D) 9

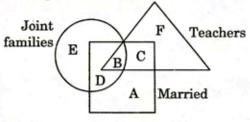
42. Which of the following diagrams represents the correct relationship between Men, Old men and Bachelors?



43. Choose one of the diagrams which best represents the relationship among Mangoes, Apples, Fruits.



44. In the following diagram, the triangle △ represents the school teachers, the square □ represents the married persons and the circle ○ represents the persons living in joint families. Which region represents married persons living in joint families but not working as school teachers?

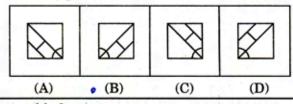


- (A) A
- (B) C
- (C) D
- (D) F
- 45. Which answer figure will complete the pattern in the question figure?

Question figure :



Answer figures :

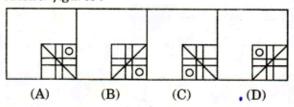


46. Complete the missing portion of the question figure selecting from the alternatives given.

Question figure:



Answer figures:

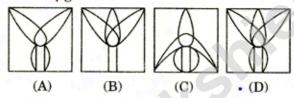


47. From the given answer figures, select the one in which the question figure is hidden/embedded.

Question figure:

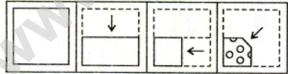


Answer figures:

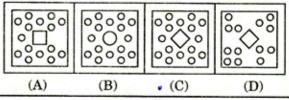


48. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figures:

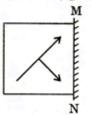


Answer figures :

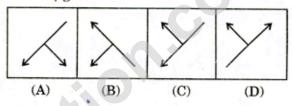


49. If a mirror is placed on the line MN, then which of the answer figures is the correct image of the question figure?

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. 'U' can be represented by 02, 23, 41, etc. and 'S' can be represented by 59, 66, 88, etc. Similarly, you have to identify the set for the given word:

DARE

Matrix I						
	0	1	2	3	4	
0	D	R	U	N	K	5
1	N	K	D	R	U	6
2	K	D	R	U	N	7
3	U	N	K	D	R	8
4	R	U	N	K	D	9

Matrix II						
		5	6	7	8	9
	5	L	Ą	V	Е	S
	6	E	s	L	A	v
	7	v	E	s	L	A
	8	A	v	E	s	L
	9	s	L	A	v	E

- (A) 21, 55, 13, 99
- (B) 44, 85, 34, 65
 - (C) 12, 67, 22, 87
 - (D) 33, 78, 40, 58

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39.	If eyes stand for ears, ears stand for nose, nose stands for mouth, mouth stands for hand, which organ would a person use to smell?	way as 'Sign language' is related to
	(A) Hand (B) Ears	(C) Deafness
	(C) Eyes (D) Mouth	(D) Presentation
40.	In a language, A is coded as 1, CAB is coded as 312, then FACE is coded as	46. Which one number is wrong in the given series?
	(A) 6135 (B) 5135	27, 45, 63, 85, 99, 117
	(C) 3561 (D) 1356	(A) 27 (B) 63
41.	If MENTION = LNEITNO, then PATTERN is	(C) 117 (D) 85
	(A) APTTREM (B) PTAETNR (C) OTAETNR (D) OTAETRN	47. In a clock, the time is 4.30 pm. The clock is so placed that its hour hand is facing
42.	Five flowers are kept on each other. Rose is above Lily, Jasmine is below Lotus. If Lily is above Lotus and Mogra is below Jasmine, then which flower is at the bottom?	South-West. In which direction will the minute hand be facing? (A) North-West (B) East
	(A) Rose (B) Lily	(C) West (D) South-East
43.	(C) Lotus (D) Mogra In a row of children, Nikhil is 11 th from left and Natasha is 17 th from right. When they exchange their places, Nikhil will be 13 th from left. Which one of the following will be	4361972970741293842397295 (A) 4 (B) 3
	the new position of Natasha from right? (A) 11 th (B) 19 th (C) 21 st (D) 29 th	(C) 2 (D) 149. A girl decided to skip 50 times on the first day, 125 times on the second day, 313 times on the third day and 783 times on the fourth
44.	Unscramble the following letters to frame a meaningful word. Then find out the correct numerical position of the letters. S C L Y G P H O Y O	day. What will be the number decided for the
	1 2 3 4 5 6 7 8 9 10 (A) 61427831059	50. If in a year, which happens to be a leap year, 1st January falls on a Sunday, after how
	(B) 57612410938	many years will the year begin on Sunday?
	(C) 45769812310	(A) 4 (B) 5
	(D) 75621481039	(C) 6 (D) 7

(C) 6

(D) 7

PART B: GENERAL AWARENESS

51. The study of factor pricing is alternatively 57. Franchising is called the theory of (A) a form of licensing (A) personal distribution (B) operating a business without a licence (B) income distribution (C) operating with less control (C) wealth distribution (D) not having to pay any fee (D) functional distribution 52. SEBI was set up in 58. The maximum strength of Rajya Sabha is (A) 1980 (B) 1984 (B) 250 (A) 200 (C) 1988 (D) 1992 (D) 220 (C) 240 53. In a free enterprise economy, resource allocation is determined by 59. If the President of India wants to resign, he has to address the letter of resignation to the (A) the wealth of the entrepreneurs (B) decision of the Government (A) Prime Minister (C) the traditional employment of factors (B) Vice-President (D) the pattern of consumers' spending (C) Speaker (D) Chief Justice of India 54. Rashtriya Krishi Bima Yojana was introduced in (A) 1998 (B) 1999 60. The playing time (in seconds) of the full version of Indian National Anthem is (C) 1996 (D) 1992 (A) 52 (B) 55 55. Buyers and Sellers will have perfect (C) 57 (D) 60 knowledge of market conditions under (A) Perfect competition The tomb of Jahangir was built at (B) Monopolistic competition (C) Oligopoly (A) Delhi (B) Lahore (D) Duopoly (C) Agra (D) Gujarat Who acts as the channel of communication between the President and the Council of What was the original name of Nur Jahan? Ministers? (A) Fatima Begum (A) Speaker of Lok Sabha (B) Mehr-un-Nissa (B) Vice-President

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(C) Prime Minister

(D) Chairman, Rajya Sabha

(C) Jahanara

(D) Zeb-un-Nissa

www.sakshieducation.com Which Charter Act brought to an end, the Largest producer of Bauxite in the world is 63. East India Company's monopoly in India's (A) Jamaica (B) Chile foreign trade? (C) Australia (D) U.S.A. (A) Charter Act of 1793 69. The two richest Eco-zones of India are (B) Charter Act of 1813 (A) The Himalayas and Eastern Ghats (C) Charter Act of 1833 (B) The Himalayas and Western Ghats (D) Charter Act of 1853 (C) The Himalayas and Aravallis (D) The Himalayas and Vindhyas 64. The Declaration of the Rights of Man is related with 70. At the time of independence, predominantly (A) The French Revolution India practised (B) The American War of Independence (A) Mixed farming (C) The Glorious Revolution of England (B) Plantation agriculture (D) The Russian Revolution (C) Shifting agriculture (D) Subsistence agriculture 65. The policy of 'imperial preferences' adopted by Britain in its colonies in 1932 is also known Species which has restricted distribution is 71. as the called (A) London Agreement (A) Endemic (B) Ottawa Agreement (B) Sympatric (C) Paris Agreement (C) Allopatric (D) Hong Kong Agreement (D) Eco species 66. The planet which has the highest surface 2, 4-D is used as temperature is (A) Vitamin (A) Earth (B) Pluto (B) Fertilizer (C) Venus (D) Jupiter (C) Insecticide (D) Weedicide Atmospheric temperature increasing at the higher altitudes is called 73. Widal test is used for the diagnosis of (A) Inversion (A) Malaria (B) Conduction (B) Cholera

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(C) Convection

(D) Radiation

Typhoid

(D) Salmonellosis

- 74. What accumulates in the muscles after continuous strenuous physical exercise as a result of temporary anaerobic respiration, that causes muscular fatigue?
 - (A) Lactic acid
 - (B) Ethyl alcohol
 - (C) Carbon dioxide
 - (D) ATP
- 75. Thalassemia is an example of
 - (A) Point mutation
 - (B) Silent mutation
 - (C) Frame shift mutation
 - (D) Deletion mutation
- 76. Eutrophication of a water body enhances
 - (A) Organic matter production
 - (B) Biological oxygen demand
 - (C) Both
 - (D) Neither
- 77. The moment of inertia of a body does not depend upon its
 - (A) angular velocity
 - (B) form of mass
 - (C) distribution of mass
 - (D) axis of rotation
- 78. To open a door easily, the handle should be fixed
 - (A) in the middle
 - (B) near the hinges
 - (C) away from mid-point opposite to hinges
 - (D) None of the above
- Nucleons are regarded as composites of sub-particles known as
 - (A) Quarks
- (B) Leptons
- (C) Photons
- (D) Mesons

- 80. In a conductor,
 - (A) the forbidden energy gap is very wide
 - (B) the forbidden energy gap is very narrow
 - (C) the valence band and the conduction band overlap each other
 - (D) there is no conduction band
- 81. Which one of the following converts assembly language into machine language?
 - (A) Interpreter
- (B) Compiler
- (C) Assembler
- (D) Algorithm
- 82. How many bytes are equal to one kilobyte?
 - (A) 1000
- (B) 976
- (C) 1024
- (D) 1050
- 83. Which one of the following elements exhibits the greatest tendency to lose electrons?
 - (A) Lithium
- (B) Oxygen
- (C) Zinc
- (D) Fluorine
- 84. Poison used for killing rats is
 - (A) Zinc phosphide (Zn₃P₂)
 - (B) Magnesium nitride (Mg₃N₂)
 - (C) Magnesium phosphide (Mg₃P₂)
 - (D) Calcium phosphide (Ca₃P₂)
- 85. Antacid tablets consist of
 - (A) Hydroxides of magnesium and aluminium
 - (B) Hydroxides of sodium and aluminium
 - (C) Hydroxides of magnesium and sodium
 - (D) Hydroxides of sodium, magnesium and aluminium
- 86. The element absorbed both in cation and anion form is
 - (A) Nitrogen
- (B) Calcium
- (C) Phosphorus
- (D) Sulphur

87.	Which of the following is not a greenhouse gas?	94.	The name of the common currency launched by members of the European Union is
	(A) O ₂ (B) O ₃		(A) Dollar (B) Euro
	(C) CO ₂ (D) Water vapour		(C) Pound (D) Sterling
			(c) round (b) Stermig
88.	Interveinal necrotic spots on leaves appear	95.	National Science Day in India is celebrated on
	due to		(A) 1st February (B) 28th February
	(A) SO ₂ injury (B) NO ₂ injury		
	And the second s		(C) 28 th March (D) 30 th April
	(C) O ₃ injury (D) HF injury	96.	Red Data Book contains
	4.01.024		(A) Rare plants and animals under threat
89.	Nuclear fallout contains	97	(B) Rare minerals
	(A) Alpha particles(B) β-particles		(C) Vanishing rivers
	(C) Both		(D) Red pandas
	(D) Neither	1	
		97.	Which of the following is India's highest
90.	Which of the following water bodies is not a		honour in the field of literature?
	freshwater resource ?		(A) Vyas Samman
	(A) Ganga river (B) Yamuna river		(B) Kalidas Samman
	(C) Chilika lake (D) Jaisamand	9	(C) Jnanpith Award
91.	Who among the following is the Home		(D) Saraswati Samman
	Minister in the Union Cabinet of India?	98.	Which scientist discovered the radioactive
	(A) Narendra Modi		element Radium?
	(B) Rajnath Singh		(A) Isaac Newton
	(C) Arun Jaitley		(B) Albert Einstein
	(D) Sushma Swaraj	310	(C) Benjamin Franklin
00	Who are a thought being interest the 14th		(D) Marie Curie
92.	Who among the following is/was the 14 th Prime Minister of India?		
	(A) Atal Bihari Vajpayee	99.	Golden Globe Awards are associated with
	(B) Manmohan Singh		(A) Journalism
	(C) Narendra Modi		(B) Peace initiative
	(D) None of the above		(C) Films
	(b) Holle of the above		(D) Social work
93.	Which is the world's cultural capital in	100.	The name of the great maestro of Indian
	India ?		Music "Ustad Bismillah Khan" is related to
	(A) Trivandrum (B) Madurai		(A) Tabla (B) Sarod
	(C) Mumbai (D) Kolkata	1	(C) Flute (D) Shehnai

PART C: QUANTITATIVE APTITUDE

- 101. The greatest fraction out of $\frac{2}{5}$, $\frac{5}{6}$, $\frac{11}{12}$ and $\frac{7}{8}$ is
 - (A) $\frac{7}{8}$
- (B) $\frac{5}{6}$
- (C) $\frac{11}{12}$
- (D) $\frac{2}{5}$
- 102. Find the odd one out:

1, 5, 14, 30, 50, 55, 91

- (A) 5
- (B) 50
- (C) 55
- (D) 91
- 103. If x men can do a piece of work in x days working x hours a day, in how many days can y men do the same work working y hours a day?
 - (A) y

- (B) $\frac{x^2}{y^3}$
- (C) $\frac{x^3}{y^2}$
- (D) x³y²
- 104. A and B together can complete a work in 12 days. A alone can complete it in 20 days. If B now does the work only for half a day daily, then the number of days required to complete the work, by A and B together, is
 - (A) 14
- (B) 16
- (C) 18
- (D) 15
- 105. A pump can fill a cistern in 40 minutes and another pump can empty the filled up cistern in 1 hour. By mistake, without closing the second pump, the first pump is opened. The time in which the empty cistern will be filled up is
 - (A) 1 hour
- (B) 2 hours
- (C) 3 hours
- (D) 4 hours
- 106. The diameter of a roller is 84 cm and its length is 120 cm. It makes 500 complete revolutions to move once over to level a playground. Find the area of the playground in sq. m. $(\pi = \frac{22}{7})$
 - (A) 1580 sq. m
- (B) 1584 sq. m
 - (C) 1590 sq. m
- (D) 1594 sq. m

- 107. The curved surface area of a right circular cylinder of radius 2 cm is 264 cm². The height of the cylinder, in cm, is
 - (A) 10·5
- (B) 21
- (C) 42
- (D) 14
- 108. Base of a right pyramid is a square. The length of a diagonal of the base is 12√2 cm. If each lateral surface of the pyramid is an equilateral triangle, then its volume (in cu. cm) is
 - (A) 288√2
- (B) 288
- (C) 288√3
- (D) 208√2
- 109. A merchant purchases a wrist watch for ₹ 450 and fixes its list price in such a way that after allowing a discount of 10%, he earns a profit of 20%. Find the list price of the wrist watch.
 - (A) ₹ 495
- (B) ₹ 540
- (C) ₹ 600
- (D) ₹ 585
- 110. Ravi purchased an article marked at ₹ 21,000 at 5% discount. The rate of sales tax on the article is 10%. Money paid by Ravi to purchase the article is
 - (A) ₹ 19,950
- (B) ₹ 23,100
- (C) ₹ 21,945
- (D) ₹ 19,845
- 111. A single discount equivalent to two successive discounts of $12\frac{1}{2}\%$ and 20% is ,
 - (A) $32\frac{1}{2}\%$
- (B) 32%
- (C) 30%
- (D) 33%
- 112. A Kinetic Honda covers a distance of 140 km in 2 hours and 20 minutes while a car covers the same distance in 1 hour and 40 minutes. What is the ratio of their speeds?
 - (A) 3:7
- (B) 4:7
- (C) 5:7
- (D) 6:7
- 113. In a mixture of 35 litres, the ratio of milk and water is 4: 1. How many litres of water must be added to make the ratio 2: 3?
 - (A) 28
- (B) 40
- (C) 35
- (D) 70

- 114. On a journey across Mumbai, a taxi averages | 120. A person invested ₹ 1,100 in a company at 20 m.p.h. for 70% of the distance, 25 m.p.h. for 10% of the distance and 8 m.p.h. for the remainder. Then the average speed of the whole journey is
 - (A) 15·25 m.p.h.
- (B) 15 m.p.h.
- (C) 15.625 m.p.h.
- (D) 15.925 m.p.h.
- 115. The average age of four sisters is 7 years. If the age of the mother is included, the average is increased by 6 years. Then the age of the mother is
 - (A) 34 years
- (B) 32 years
- (C) 40 years
- (D) 37 years
- 116. A sells to B an iron box at 10% profit. B sells it to C for 20% profit. If C pays ₹ 528, then the cost price of A is
 - (A) ₹ 500
- (B) ₹ 498
- (C) ₹ 400
- (D) ₹ 508
- 117. 20% of a man's salary is paid as rent, 60% are his living expenses and 10% is paid in LIC. If he spends the remaining ₹ 3,000 on education of the children, his salary is
 - (A) ₹ 9,000
- (B) ₹ 90,000
- (C) ₹ 35,000
- (D) ₹ 30,000
- 118. A rides from his house at 12 noon towards B's house at a speed of 8 km/hour. After 1 hour, B rides from his house towards A's at a speed of 7 km/hour. If the distance between the two houses is 68 km, the time when they meet is
 - (A) 3 PM
- (B) 4 PM
- (C) 5 PM
- (D) 6 PM
- 119. Two runners cover the same distance at the rate of 15 km and 16 km per hour respectively. Find the distance travelled when one takes 32 minutes longer than the other.
 - (A) 64 km
- (B) 96 km
- (C) 108 km
- (D) 128 km

- compound interest compounded semi-annually. He received ₹ 1,331 after one year. The rate of interest per annum is
 - (A) 5%
- (B) 10%
- (C) 11%
- (D) 20%
- 121. If the notation (a, b) stands for $\frac{b}{a}$, then the

value of
$$\left(\frac{a}{b}, \ \frac{b}{a}\right)$$
 is

- (A) $\frac{a^2}{b^2}$

- **122.** If $(x-2)^2 + (y-\frac{1}{2})^2 = 0$, then the value of
 - (A) 1
- (B) 4
- (D) 2
- 123. If 0.5x + 0.7y = 0.5 and 0.7x + 0.5y = 0.7, then the value of x + y is
 - (A) 0.5
- (B) 0.7
- (C) 1·2
- (D) 1
- **124.** If a + b + c = 15, abc = 120 and (ab + bc + ca) = 74, then the value of $a^3 + b^3 + c^3 =$
 - (A) 401
- (B) 403
- (C) 405
- (D) 450
- 125. The value of $\frac{\sqrt{x^2y}}{\sqrt{x^2}} \times \sqrt{\frac{y}{x}}$ is
 - (A) x
- (B) y
- (C) xv
- (D) 1
- 126. The difference of two factors expression $a^4 + \frac{1}{a^4} - 3$ is
 - (A) 2
- (B) 2
- (C) 4
- (D) -4

127. If 12x - 15y = 9x + 5y, the value of $\frac{x^2 + y^2}{x^2 + y^2}$

is

- (A) $\frac{400}{9}$
- (C) $\frac{23}{17}$
- (D)
- 128. If $p^2 + \frac{1}{p^2} = 47$, then the numerical value of

 $p + \frac{1}{p}$ will be

- (A) 7
- (B) $\frac{3}{2}$
- $(C) \pm 3$
- (D) 6
- 129. PQ and QR are two chords of a circle and they are equally inclined to the diameter drawn through Q. What is the relation between PQ and QR?
 - (A) PQ > QR
- (B) PQ < QR</p>
- (C) PQ = QR
- (D) PQ \(\text{QR} \)
- Δ ABC. 130. O is the orthocentre of ∠ BOC = 110°, ∠ BAC is equal to
 - (A) 80°
- (B) 110°
- (C) 90°
- (D) 70°
- 131. The circumcentre of a right-angled triangle
 - (A) within the triangle
 - (B) outside the triangle
 - (C) on its hypotenuse
 - (D) at the right angular vertex
- 132. If one of the equal angles of an isosceles triangle is 65°, then the angle at the vertex is
 - -(A) 50°
- (B) 60°
- (C) 40°
- (D) 70°
- 133. If the sum of two angles of a triangle is 90° and their difference is 30°, then the angles of the triangle are
 - (A) 60°, 30°, 90°
- (B) 50°, 40°, 90°
- (C) 40°, 60°, 80°
- (D) 30°, 70°, 80°

- 134. P, Q, R are three points such that $\overline{PR} = 3$ cm, \overline{QR} = 5 cm and \overline{PQ} = 8 cm. Number of circles passing through all the three points P, Q, R is
 - (A) 0
- (B) 1
- (C) 2
- (D) 3
- 135. G is the centroid of a triangle ABC, and the median is AD. The ratio of AD and GA is
 - (A) 3:2
- (B) 2:5
- (C) 1:3
- (D) 2:1
- 136. The ratio of circumradius and hypotenuse of a right-angled triangle is
 - (A) 1:2
- (B) 2:1
- (C) 1:1
- (D) 2:3
- 137. If $\tan \alpha = p$, then $\sec \alpha + \tan^3 \alpha \cdot \csc \alpha =$
 - (A) $\frac{p^3}{\sqrt{1+p^2}}$ (B) $\sqrt{1+p^2}$
 - (C) $\frac{\sqrt{1+p^2}}{-2}$ (D) $(1+p^2)^{3/2}$
- **138.** If $A + B = 90^{\circ}$ and A : B = 2 : 1, then what is the value of sin A: sin B?
 - (A) √3 : 1
- (B) 2: √3
- (C) 1:2
- (D) 3:2
- 139. If $\cos 2x = 1$, the value of $\cos x$ is $(0^{\circ} \le x \le 45^{\circ})$
 - (A) 0
- (B) 1
- (C) 1/2
- (D) 2
- 140. If $\sec \theta = \csc \phi$, where θ and ϕ are acute angles, then the value of $cosec(\theta + \phi)$ is
 - (A) 0
- (B) undefined
- (C) √2
- (D) 1
- **141.** If $x = a \cos (90^{\circ} \theta)$ and $y = b \cot (90^{\circ} \theta)$, then the value of $\left(\frac{a^2}{x^2} - \frac{b^2}{v^2}\right)$ is
 - (A) 1
- (B) 1
- (C) 0
- (D) 2

142. The value of

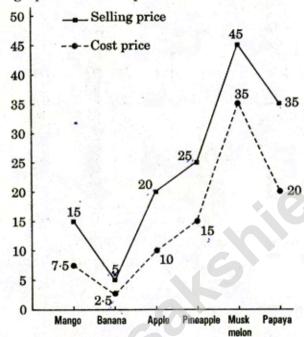
$$1 + \frac{\sin^2 23^\circ}{\cos^2 23^\circ} - \frac{\cos^2 67^\circ}{\sin^2 67^\circ} + \frac{\csc^2 67^\circ}{\sec^2 23^\circ}$$
 is

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

143. If $\sin \theta + \sin^2 \theta = 1$, then the value of $\cos^{12}\theta + 3\cos^{10}\theta + 3\cos^{8}\theta + \cos^{6}\theta - 1$ is

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

Directions: The graph consists of the cost price and selling price of one fruit of each variety. Study the graph and answer questions no. 144 to 147.



144. How many varieties of fruit are sold at a profit of at least 50%?

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

145. Find the profit obtained by selling 4 mangoes and 6 bananas (in ₹).

- (A) 50
- (B) 45·5
- (C) 45
- (D) 35·5

146. Find the overall profit % if one fruit of each variety is sold.

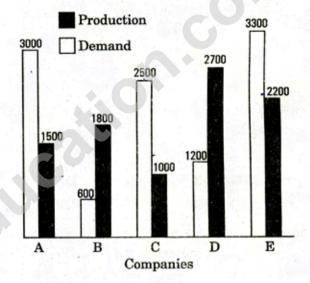
- (A) 70
- (B) 69
- (C) $69\frac{1}{9}$
- (D) $61\frac{1}{9}$

147. Find the profit % obtained by selling 3 papayas, 2 musk melons and 4 pineapples.

- (A) $43\frac{6}{7}$ (B) $40\frac{6}{7}$
- (C) $55\frac{5}{19}$ (D) $42\frac{6}{7}$

Directions: Study the following graph carefully and answer questions no. 148 to 150.

Demand and Production of Colour T.V. of five companies for October 1988



148. What is the ratio of companies having more demand than production to those having more production than demand?

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

149. What is the difference between average demand and average production of the five companies taken together?

- (A) 1400
- (B) 280
- (C) 400
- (D) 138

production of company 150. The approximately how many times that of the production of company A?

- (A) 1.8
- (B) 2·5
- (C) 1·5
- (D) 1·11

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144. Find the next term of the given sequence

20, 25, 26, 32, 33

- (A) 41
- (B) 40
- (C) 39
- (D) 38
- 145. If $x + \frac{4}{x} = 10$, then the value of $\left(\frac{x^3}{8} + \frac{8}{x^3}\right)$

is

- (A) 105
- (B) 110
- (C) 100
- (D) 115
- 146. 12 girls decided to contribute ₹ 750 each and buy a gift for their teacher. Suddenly few of them dropped out and consequently the rest had to pay ₹ 150 more. Then the number of students who dropped out is
 - (A) 6
 - (B) 2
 - (C) 3
 - (D) 5

- 147. In what time will ₹ 800 amount to ₹ 1,152 at 20% per annum compound interest, if the interest is compounded annually?
 - (A) 5 years
 - (B) 4 years
 - (C) 3 years
 - (D) 2 years
- 148. If the radius of a circle is 7 cm, its circumference is
 - (A) 88 cm
 - (B) 44 cm
 - (C) 66 cm
 - (D) 48 cm
- 149. There are 108 students in a class and the number of boys and girls are in the ratio of 5: 4. By adding 3 boys and some more girls, the ratio of the boys and girls becomes 7: 6. The number of girls added is
 - (A) 2
 - (B) 4
 - (C) 6
 - (D) 5
- 150. What is the cost price of an article sold at a loss of 25% for ₹ 150?
 - (A) ₹ 125
 - (B) ₹ 175
 - (C) ₹ 200
 - (D) ₹ 225

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 (\blacksquare) 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.

eceeci	(11, D, C). If a sentence is free from error, otacker	n the oval corresponding to (D) in the Answer Sheet.
151.	Douglas Engelbart, the inventor of the compute	er mouse / have died / at the age of eighty-eight. /
	(A)	(B) (C)
	No error.	
	(D)	
152.	There is / a flight to Britain / every Mondays. / (A) (B) (C)	No error. (D)
153.	We arrived / to the village / at night. / No error. (A) (B) (C) (D)	
154.	He gave me a / hundred rupees note / as a gift (A) (B)	on my birthday. / No error. (C) (D)
155.	I have been / suffering since / the 10 th of Janua (A) (B) (C)	ry. / No error. (D)
for ed of the appro 156.	opriate word(s). Four alternatives are suggested ach question. Choose the correct alternative out the four and indicate it by blackening the opriate oval (in the Answer Sheet. The of success is difficult to reach. (A) peek (B) pique (C) peak (D) pick My heart started faster. (A) betting (B) beating	expresses the meaning of the given word and mark in the Answer Sheet. 161. Accede (A) consent (B) approach (C) change (D) surpass 162. Precarious (A) perilous (B) disastrous (C) cautious (D) critical 163. Sprightly
158.	(C) biting (D) bleating Drama is a stage-play having powerful appeal.	(A) beautiful (B) lively (C) intelligent (D) sportive Directions: In questions no. 164 to 166, choose th
	(A) audio-verbal (B) audio-visual (C) aural-visual (D) aerial-visual	word opposite in meaning to the given word and mark it in the Answer Sheet.
	Today's politics in India is the of everything great and noble that Gandhi dreamt for India. (A) antidote (B) immorality (C) antagonism (D) antithesis	
160.	The carriage and horse standing there.	(C) active (D) prosperous
	(A) are (B) is (C) was (D) were	(A) long (B) sleek (C) shining (D) loud

Directions: In questions no. 167 to 171, four | 173. Simran is careful with her use of oil when 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. Harish was taken aback by the child's aggressive retaliation.
 - (A) surprised
- (B) moved
- (C) confused
- (D) critical
- 168. The trial was held in camera.
 - (A) in public
 - (B) in front of the camera
 - (C) openly
 - (D) privately
- 169. Having sold off his factory he is now a gentleman at large.
 - (A) without any serious occupation
 - (B) living comfortably
 - (C) respected by everybody
 - (D) held in high esteem
- 170. She is always picking holes in every project we do.
 - (A) creating problems
 - (B) finding fault
 - (C) suggesting improvement
 - (D) asking irrelevant questions
- 171. To flog a dead horse.
 - (A) trying to achieve an impossible thing
 - (B) trying to take work from a weak horse
 - (C) trying to beat a horse that is dead
 - (D) trying to act in a dead 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. Seema made signs to Sita that it was time to go.
 - (A) called
- (B) waved
- (C) gestured
- (D) No improvement

- cooking.
 - (A) economic
- (B) economical
- (C) stingy
- (D) No improvement
- 174. I was impressed by his descend talk.
 - (A) descending
- (B) decent
- (C) decadent
- (D) No improvement
- 175. The pen is better than the sword.
 - (A) mightier
- (B) stronger
- (C) weaker
- (D) No improvement
- 176. The bank lent him money, hasn't it?
 - (A) isn't it
- (B) is it
- (C) didn't it
- (D) No improvement
- 177. The accident was occurring at 10:30 this morning.
 - (A) occurred
- (B) occurs
- (C) had occurred
- (D) No improvement
- 178. His prayer was that the child might live.
 - (A) would
- (B) should
- (C) will
- (D) No improvement
- 179. He gave the leaflet to those who came to the meeting.
 - (A) whoever come
 - (B) whoever came
 - (C) whoever is coming
 - (D) No improvement
- 180. They borrowed the money at six percent annually.
 - (A) at annually six percent
 - (B) at annum six percent
 - (C) at six percent per annum
 - (D) No improvement
- 181. There is not a lot of time left.
 - (A) much
- (B) such
- (C) some
- (D) No improvement

Directions: In questions no. 182 to 188, out of the Directions: In questions no. 191 to 200, you have 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 person who knows or can speak many languages

- (A) bigot
- (B) polyglot
- (C) misologist
- (D) bibliophile

183. Incapable of being corrected

- (A) incongruous
- (B) incorrigible
- (C) insensitive
- (D) insolent

184. A cure for all diseases

- (A) medicine
- (B) panacea
- (C) antibiotic
- (D) incantation

185. A place where dead bodies are kept for medical examination

- (A) mortuary
- (B) hospital
- (C) cemetery
- (D) crematorium

186. A child who stays away from school without leave

- (A) rebel
- (B) bully
- (C) deserter
- (D) truant

187. That which cannot be believed

- (A) incredible
- (B) inaudible
- (C) ineffable
- (D) infallible

188. A building for housing curios

- (A) museum
- (B) auditorium
- (C) sanitarium
- (D) asylum

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) Eclips
- (B) Eclipse
- (C) Eklipse
- (D) Eclypse
- 190. (A) Ambessador
- (B) Ambassador
- (C) Ambesador
- (D) Ambasador

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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)

Whatever the problem, someone can always oversimplify it. Sometimes a problem is simpler than it seems at first sight, and a cool mind can point to an easy answer. More often though, the simple answers don't really meet the case. A great scientist of an earlier day, Sir Arthur Eddington. once said that we often think that when we have completed our study of one, we know all about two, because "two is one and one". We forget that we still have to make a study of "and".

There's an important point here, an extra factor in the equation. Whether we are dealing with fellow humans, or even with observed "scientific fact", one and one often make more than two, because there's a relationship as well as a number. There's a mysterious chemistry that alters things. just through their being together. One thing which makes paintings fascinating and demanding is allowing for this. Put a spot of bright yellow paint on a background of grey, and the yellow spot on a bright blue background, and the yellow looks duller and smaller. The same colour is changed by what's around it. It's changed by relationship.

191. The author thinks that

- (A) there is a mysterious chemistry that alters things
- (B) there is a tendency to oversimplify problems
- (C) often the simple answers do not meet the
- (D) All of the above

192. According to Sir Arthur Eddington, we often think that when we have completed our study of one, we know all about two, because

- (A) there is no other number between them
- (B) one and one makes two
- (C) two is one and one
- (D) two follows the one

- 193. Sir Arthur Eddington thinks that in accepting that two is one and one
 - (A) our problem is resolved
 - (B) we forget we still have to make a study of "and"
 - (C) we believe that there is no extra factor in the equation
 - (D) we rest our case and get on with our lives
- 194. The author is of the opinion that whether we are dealing with fellow humans, or even with observed "scientific fact", one and one often make more than two because
 - (A) the presence of the word 'and' alters things
 - (B) there is a relationship as well as a number
 - (C) there is an important factor in the equation
 - (D) All of the above
- 195. The author feels that _____ changes everything around it.
 - (A) number
- (B) painting
- (C) relationship
- (D) chemistry

Passage II (Q. Nos. 196 to 200)

The clergyman was finishing the graveside service. Suddenly, the 78-year-old man whose wife of 50 years had just died began screaming in a thick accent, "Oh, oh, oh, how I loved her!" His mournful wail interrupted the dignified quiet of the ceremony. The other family and friends standing around the grave looked shocked and embarrassed. His grown children, blushing, tried to shush their father. "It's okay, Dad; we understand. Shush." The old man stared fixedly at the casket lowering slowly into the grave. The clergyman went on. Finishing, he invited the family to shovel some dirt into the coffin as a mark of the finality of death. Each, in turn, did so with the exception of the old man. "Oh, how I loved her !" he moaned loudly. His daughter EA .2013/Page 35

and two sons again tried to restrain him, but he continued, "I loved her!" Now, as the rest of those gathered around began leaving the grave, the old man stubbornly resisted. He stayed, staring into the grave. The clergyman approached. "I know how you must feel, but it's time to leave. We all must leave and go on with life."

"Oh, how I loved her!" the old man moaned, miserably. "You don't understand," he said to the clergyman, "I almost told her once."

- 196. The wail of the old man _____ the dignified quiet of the graveside ceremony.
 - (A) almost affected
 - (B) did not in the least affect
 - (C) did not affect
 - (D) affected
- 197. The old man's children are _____
 - (A) all grown-up
 - (B) a mixture of small and grown-ups
 - (C) small
 - (D) still very small
- 198. The old man was inconsolable because _____ his wife he loved her.
 - (A) he once old
 - (B) he never told
 - (C) he tried to tell
 - (D) he told
- 199. _____ resisted from leaving the graveside.
 - (A) Only the old man
 - (B) Both the children and their father
 - (C) Only the children
 - (D) All the people
- 200. _____ advised the old man to move on with life.
 - (A) Family members
 - (B) The children
 - (C) The clergyman
 - (D) Friends