

Test Form No.
टेस्ट फॉर्म संख्या
152 SG 3

EB-2013

GT - 1337481

Time Allowed : 2 Hours (For V.H. Candidates : 2 hrs. 40 Min.)

Maximum Marks : 200

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

अधिकतम अंक: 200

Read the following instructions carefully before you begin to answer the questions.

This Booklet contains questions in English as well as in Hindi Language.

प्रश्नों के उत्तर देने से पहले निम्नलिखित अनुदेशों को ध्यान से पढ़ लें ।

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

| INSTRUCTIONS TO CANDIDATES | उम्मीदवारों के लिए अनुदेश |
|--|---|
| 1. This Booklet contains 200 questions in all comprising the following four parts : Part-A : General Intelligence & Reasoning (50 Questions) Part-B : General Awareness (50 Questions) Part-C : Quantitative Aptitude (50 Questions) Part-D : English Comprehension (50 Questions) | 1. इस पुस्तिका में कुल 200 प्रश्न हैं, जिनमें निम्नलिखित चार भाग शामिल हैं : भाग-क : सामान्य बुद्धिमत्ता एवं तर्कशक्ति (50 प्रश्न) भाग-ख : सामान्य जानकारी (50 प्रश्न) भाग-ग : परिमाणात्मक अभिरुचि (50 प्रश्न) भाग-घ : अंग्रेजी परिज्ञान (50 प्रश्न) |
| 2. In questions set bilingually in English and Hindi language, in case of discrepancy, the English version will prevail. | 2. अंग्रेजी और हिन्दी भाषा में तैयार किए गए द्विभाषी प्रश्नों में कोई विसंगति होने की स्थिति में अंग्रेजी विवरण मान्य होगा । |
| 3. All questions are compulsory and carry equal marks. | 3. सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं । |
| 4. The paper carries negative marking. 0.25 marks will be deducted for each wrong answer. | 4. प्रश्न पत्र में नकारात्मक अंकन होगा । हर गलत उत्तर के लिए 0.25 अंक काटा जाएगा । |
| 5. Before you start to answer the questions you must check up this Booklet and ensure that it contains all the pages (1-32) and see that no page is missing or repeated. If you find any defect in this Booklet, you must get it replaced immediately. | 5. प्रश्नों के उत्तर देने से पहले आप इस पुस्तिका की जाँच करके देख लें कि इसमें पूरे पृष्ठ (1-32) हैं तथा कोई पृष्ठ कम या दुबारा तो नहीं आ गया है । यदि आप इस पुस्तिका में कोई त्रुटि पायें, तो तत्काल इसके बदले दूसरी पुस्तिका ले लें । |
| 6. You will be supplied the Answer-Sheet separately by the Invigilator. You must complete and code the details of Name, Roll Number, Ticket Number and Test Form Number on Side-I of the Answer-Sheet carefully. You must also put your signature and Left-Hand thumb impression on the Answer-Sheet at the prescribed place before you actually start answering the questions. These instructions must be fully complied with, failing which, your Answer-Sheet will not be evaluated and you will be awarded 'ZERO' mark. (V.H. candidates will have to ensure that these details are filled in by the scribe. However, all V.H. candidates must put their left-hand thumb impression at the space provided in the Answer-Sheet. Those V.H. candidates who can sign should also put their signatures in addition to thumb impression.) | 6. निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जायेगी । 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 बायें हाथ के अंगूठे का निशान भी अवश्य लगाएँ । उपयुक्त 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 बायें 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. 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. | 7. उत्तर-पत्रिका में सभी उत्तर Side-II में प्रश्न संख्या के सामने दिये गये सम्बन्धित अण्डाकार खानों को केवल काले/नीले बॉल-पॉइंट पेन से पूरी तरह काला करके दिखाएँ । जो अण्डाकार खाने काले/नीले बॉल-पॉइंट पेन से नहीं भरे जाएँगे, उनके लिए कोई अंक नहीं दिया जाएगा । |
| 8. A machine will read the coded information in the OMR Answer-Sheet. In case the information is incomplete/different from the information given in the application form, such candidate will be awarded 'ZERO' mark. | 8. ओ.एम.आर. उत्तर-पत्रिका में भरी गई कूट सूचना को एक मशीन पढ़ेगी । यदि सूचना अपूर्ण है अथवा आवेदन प्रपत्र में दी गई सूचना से भिन्न है, तो ऐसे अभ्यर्थी को 'शून्य' अंक दिया जाएगा । |
| 9. The Answer-Sheet must be handed over to the Invigilator before you leave the Examination-Hall. | 9. परीक्षा-भवन छोड़ने से पहले परीक्षार्थी को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए । |
| 10. Failure to comply with any of the above instructions will render a candidate liable to such action / penalty as may be deemed fit. | 10. ऊपर के अनुदेशों में से किसी एक का भी पालन न करने पर उम्मीदवार पर विवेकानुसार कार्यवाही की जा सकती है या दण्ड दिया जा सकता है । |
| 11. The manner in which the different questions are to be answered has been explained at the back of this Booklet (Page No. 32), which you should read carefully before actually answering the questions. | 11. विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे (पृष्ठ संख्या 32) में छपे हुए निर्देशों में दे दी गई है; इसे आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें । |
| 12. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question. | 12. प्रश्नों के उत्तर जितनी जल्दी हो सके तथा ध्यानपूर्वक दें । कुछ प्रश्न आसान तथा कुछ कठिन हैं । किसी एक प्रश्न पर बहुत अधिक समय न लगाएँ । |
| 13. In lieu of Question Nos. 39 to 50 and 144 to 150, relating to figural portions, alternate questions have been provided to be attempted by V.H. candidates only. | 13. आकृति से सम्बन्धित प्रश्न संख्या 39 से 50 एवं 144 से 150 के बदले में केवल दृष्टिबाधित उम्मीदवारों द्वारा हल किए जाने के लिए वैकल्पिक प्रश्न दिए गए हैं । |
| 14. No rough work is to be done on the Answer-Sheet. Space for rough work has been provided below the questions in Part A and Part C of this Booklet. | 14. कोई रफ़ कार्य उत्तर-पत्रिका पर नहीं करना है । रफ़ कार्य के लिए स्थान भाग क और भाग ग में प्रश्नों के नीचे दिया गया है । |
| 15. "Mobile phones and wireless communication devices are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even 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." | 15. "परीक्षा हॉल/कमरों में मोबाइल फोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं । प्रत्याशियों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फोन/किसी अन्य बेतार संचार साधन को स्विच ऑफ करके भी अपने पास न रखें । इस प्रावधान का अनुपालन न करने को परीक्षा में अनुचित उपायों का प्रयोग माना जाएगा और उनके विरुद्ध कार्रवाई की जाएगी, उनकी अभ्यर्थिता रद्द कर देने सहित ।" |

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



EB-2013

GENERAL INTELLIGENCE & REASONING

Direction : In Question Nos. 1 to 6, select the related word/letters/number from the given alternatives.

- Conference : Chairman :: Newspaper : ?
(A) Reporter (B) Distributor
(C) Printer (D) Editor
- Suggestion : Order ::
(A) Advise : Suggest
(B) Smile : Serious
(C) Plan : Implement
(D) Anger : Shout
- EEGH : QQST :: WWYZ : ?
(A) MMOQ (B) IIKM
(C) RRTV (D) PPRS
- FOURTY : UOFYTR :: EIGHTY : ?
(A) GIEYTH (B) IGHETY
(C) GIETYH (D) GIEHYT
- 482 : 241 :: 292 : ?
(A) 286 (B) 272 (C) 146 (D) 291
- 7 : 52 :: 17 : ?
(A) 289 (B) 292 (C) 295 (D) 298

Direction : In Question Nos. 7 to 12, find the odd number/letters/number pair from the given alternatives.

- (A) 243001 (B) 721001
(C) 334001 (D) 406001
- (A) 2W3 (B) 1Q7
(C) 1M3 (D) 1R9
- (A) C.V. Raman
(B) Rabindranath Tagore
(C) Mother Teresa
(D) Amartya Sen
- (A) Pond (B) Shore
(C) River (D) Sea
- (A) AUgPZ (B) YGLhT
(C) MXiDV (D) KFeCO
- (A) 8 - 27
(B) 125 - 216
(C) 343 - 512
(D) 1009 - 1331

- Which one of the given responses would be a meaningful order of the following?
1. Adolescence 2. Infancy
3. Senility 4. Childhood
5. Adulthood
(A) 4, 1, 5, 3, 2 (B) 2, 4, 5, 1, 3
(C) 4, 5, 1, 2, 3 (D) 2, 4, 1, 5, 3

- Arrange the following words as per order in the dictionary:
1. Alligator 2. Alligation
3. Aliphatic 4. Alphabet
5. Alteration
(A) 3, 2, 1, 4, 5 (B) 3, 1, 2, 4, 5
(C) 3, 1, 2, 5, 4 (D) 3, 2, 1, 5, 4

- 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.

Z 25 Y B 23 X C W 19 E 17
(A) X 30 F W (B) A 21 D V
(C) A 27 C V (D) V 21 D A

Direction : In Question Nos. 16 to 18, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

- AGMS, BHNT, CIOU, ?
(A) GHIJ (B) MNOP
(C) DJPV (D) DEJK
- 10, 12, 32, 34, 54, 56, ?
(A) 74 (B) 72 (C) 76 (D) 78
- 109, 74, 46, 25, 11, ?
(A) 36 (B) 0 (C) 4 (D) 11
- Kamlesh is the brother of Anil. Sundri is sister of Madan. Anil is the son of Sundri. How is Kamlesh related to Sundri?
(A) Nephew (B) Son
(C) Brother (D) Father
- Water flows out of a tap at the rate of 5 litres per minute. How many minutes would it take for filling 5 buckets of 25 litres capacity each?
(A) 5 minutes (B) 125 minutes
(C) 25 minutes (D) 50 minutes

SPACE FOR ROUGH WORK

21. A is two years older than B who is twice as D and C. If the total of ages of A, B and C is 27, how old is B?
(A) 7 (B) 9 (C) 10 (D) 11
22. From the given alternative words, select the word which cannot be formed using the letters of the given word:
COMPETITION
(A) EMOTION (B) COME
(C) TEMPT (D) NATION
23. From the given alternative words, select the word which can be formed using the letters of the given word.
ORGANISATION
(A) NOISE (B) ORGANISM
(C) NATION (D) ANGER
24. How many independent meaningful words can 'BEARING' be divided into without changing the order of the letters and using each letter only once?
(A) Two (B) Three
(C) Four (D) Five or more
25. In certain code the word PANIC is written as KZMRX, then the word OPERATION will be written as
(A) NKVIZGRNM
(B) LKVIZGRLM
(C) NKWIZGRLM
(D) LKVGZHRLM
26. If PWRUO is coded as 81639 and VTQUO as 24739, then how RTVOP can be coded?
(A) 67314 (B) 64298
(C) 59431 (D) 27543
27. In a certain code, '785' means 'school is over', 'match is over' means '275' and 'school match' means '28'. What number will indicate the word 'match'?
(A) 2 (B) 7 (C) 8 (D) 5

28. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.
 $2 * 2 * 9 * 9 * 9 * 9$
(A) $\div + = \div +$ (B) $+ \div = \div +$
(C) $\times + = - \div$ (D) $- + + = \times$
29. $4\frac{1}{2} + 7\frac{1}{3} + 9\frac{1}{4} = ?$
(A) $20\frac{1}{6}$ (B) $20\frac{1}{12}$
(C) $21\frac{1}{12}$ (D) $15\frac{3}{4}$
30. Following equations are done on the basis of certain system. Following the same system, find out the correct answer from the four alternatives.
 $4 + 5 \times 9 \div 3 = 354$, $8 + 3 \times 6 \div 2 = 338$,
 $7 + 4 \times 6 \div 2 = ?$
(A) 647 (B) 347
(C) 264 (D) 346
31. If \rightarrow stands for 'addition', \leftarrow stands for 'subtraction', \uparrow stands for 'division', \downarrow stands for 'multiplication', \nearrow stands for 'equal to', which one of the following statements is correct?
(A) $2 \downarrow 4 \leftarrow 6 \rightarrow 2 \nearrow 6$
(B) $5 \rightarrow 7 \leftarrow 4 \uparrow 2 \nearrow 4$
(C) $3 \downarrow 6 \uparrow 2 \rightarrow 3 \leftarrow 6 \nearrow 6$
(D) $7 \leftarrow 4 \rightarrow 3 \uparrow 6 \downarrow 1 \nearrow 4$

Direction : In Question Nos. 32 to 34, find the missing number from the given responses :

32.

| | | |
|----|----|----|
| 16 | 32 | 27 |
| 14 | 28 | 23 |
| 18 | 36 | ? |

(A) 19 (B) 31 (C) 29 (D) 21
33.

| | | | |
|-----|----|----|-----|
| 121 | 81 | 49 | 100 |
| 100 | 64 | 25 | 36 |
| 21 | 17 | 12 | ? |

(A) 15 (B) 16 (C) 13 (D) 9
34.

| | | |
|---|-----|-----|
| 1 | 7 | 9 |
| 2 | 14 | ? |
| 3 | 105 | 117 |

(A) 12 (B) 26 (C) 16 (D) 20

SPACE FOR ROUGH WORK

35. Ajay initially go North, turn right, then right again and then go to the left. In which direction is he now ?

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

36. A man travels 12 km West, then 3 km towards South and then 8 km towards East. How far he is from his starting point ?

- (A) 23 km (B) 20 km
(C) 15 km (D) 5 km

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

Statement : A physician who fails to enter the body of a patient with the lamp of knowledge and understanding can never treat diseases.

Conclusion I : A physician entering the patient's body with the lamp of knowledge and understanding can always cure him.

Conclusion II : A physician with knowledge and understanding may be able to cure the patient.

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

38. (1) Geeta weighs less than Reema.
(2) Geeta weighs more than Seema.
(3) Of all three girls Seema weigh's least.
If 1st two statements are true the 3rd is

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

39. Four positions of a dice are given below. Which is opposite to L ?



- (A) K (B) J
(C) H (D) M

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

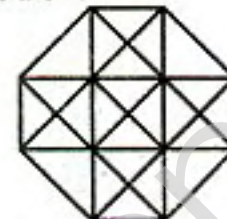
Question Figure :



Answer Figures :



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



- (A) 10 (B) 11
(C) 12 (D) 14 or more

42. Which one of the following diagrams represents the correct relationship among Life, Death, Time ?

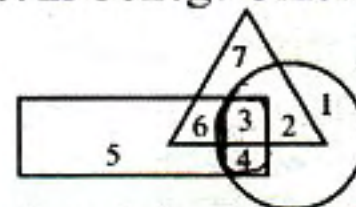
- (A) ○ ○ ○ (B) ○○
(C) ○○○ (D) ○○○

43. Which one of the following diagrams best depicts the relationship among Induction, Deduction and Dialectic method ?

- (A) ○○ (B) ○○○
(C) ○○○ (D) ○○○

44. A College provides different activities. College Union represented by triangle, Blood Donors Club represented by rectangle and AIDS Awareness Club represented by circle.

Those who take part in both AIDS Awareness Club and Blood Donors Club but not in College Union are represented by



- (A) 3 and 4 (B) 5 and 6
(C) 5 and 1 (D) 4

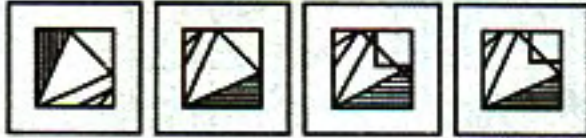
SPACE FOR ROUGH WORK

Direction : In Question Nos. 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 :



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

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

Question Figure :



Answer Figures :



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

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 :



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

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

Question Figure :



Answer Figures :



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

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., 'A' can be represented by 14, 23., etc and 'P' can be represented by 55, 78, etc. Similarly, you have to identify the set for the word given 'REST'.

| | | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 |
| 0 | A | B | C | D | E |
| 1 | B | C | D | E | A |
| 2 | C | D | E | A | B |
| 3 | D | E | A | B | C |
| 4 | E | A | B | C | D |

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

(A) 66, 13, 95, 33

(B) 55, 66, 21, 42

(C) 89, 22, 76, 86

(D) 89, 22, 33, 69

SPACE FOR ROUGH WORK

**FOR VISUALLY HANDICAPPED
CANDIDATES ONLY**

39. If June is called as January, February is called as July and March is called September, then what is the sum of the days of July & September in the year 2013 ?
(A) 58 (B) 59 (C) 61 (D) 62
40. If G = 7, DEAF = 16, then FLAG = ?
(A) 23 (B) 28 (C) 26 (D) 36
41. VIBGYOR : SKYIVQO, then ROTTEN : ?
(A) TQRRGQ (B) TQVVCL
(C) OLQQBK (D) OQQVBP
42. Five young men were seen climbing a hill in a column. 'G' was spotted following 'H', 'R' was found ahead of 'G' and 'K' was noticed struggling between 'G' and 'M'. Who was observed second in climbing ?
(A) M (B) R (C) H (D) G
43. In a row of ten boys, when Rohit was shifted by two places towards the left, he became seventh from the left end. What was his earlier position from the right end of the row ?
(A) First (B) Second
(C) Fourth (D) Sixth
44. A group of alphabets is given with each being assigned a number. These have to be unscrambled into a meaningful word & correct order of letters may be indicated from the given responses :
G A R E O C U
1 2 3 4 5 6 7
(A) 4213756 (B) 3417625
(C) 6573214 (D) 1726534
45. 'Mountain' is related to 'Valley' in the same way as 'Sky' is related to
(A) Rainbow (B) Clouds
(C) Earth (D) Rain
46. Find out the term (number) that does not fit into the given series :
8, 13, 21, 32, 47, 63, 83
(A) 32 (B) 37
(C) 47 (D) 21
47. After 10 O' clock at what time between 10 p.m. and 11 p.m. will the hour hand and minute hand of a clock point in same direction ?
(A) 20 minutes past 10
(B) 30 minutes past 10
(C) 45 minutes past 10
(D) 55 minutes past 10
48. How many 7 followed by multiples of 3 and preceded by multiples of 4 ?
87967345247694306768973.
(A) 5 (B) 3
(C) 2 (D) 1
49. In a parking 12 cars, 5 scooters and 8 rickshaws were parked. At 5'O clock in the evening, 2 cars were removed and 3 scooters were added. At 9 p.m., 3 cars, 5 rickshaws and 8 scooters were added. How many wheels are there in the night ?
(A) 131 (B) 123
(C) 110 (D) 113
50. If there is Saturday after 9th day of the month, what will be the day on 24th of that month ?
(A) Monday (B) Friday
(C) Saturday (D) Sunday

SPACE FOR ROUGH WORK

Part - B
GENERAL AWARENESS

51. In the long run the fixed costs become
(A) Money costs
(B) Real costs
(C) Opportunity costs
(D) Variable costs
52. Increase in cash reserve ratio leads to
(A) increase in bank credit
(B) decrease in bank credit
(C) constant bank credit
(D) excess bank credit
53. The food corporation of India was established in the year
(A) 1965 (B) 1966
(C) 1967 (D) 1955
54. The Phillip's curve is the schedule showing the relationship between
(A) aggregate supply and demand
(B) total saving and investment
(C) the rate of unemployment and rate of inflation
(D) demand for and supply of loanable funds
55. A firm practising price discrimination will be
(A) charging different prices for different qualities of a product
(B) buying in the cheapest and selling in the dearest markets
(C) charging different prices in different markets for a product
(D) buying only from firms selling in bulk at a distance
56. Fascism believed in leadership of
(A) Feudals
(B) Working classes
(C) Political elites
(D) One man
57. The parliament is empowered to make laws on any subject of the state list during
(A) Election (B) War
(C) Agitation (D) Emergency
58. Rule of law prevails in
(A) Dictatorship
(B) Aristocracy
(C) Democracy
(D) Oligarchy
59. Which of the following feature of Indian constitution was borrowed from U.S.A. ?
(A) Rule of law
(B) Fundamental Right
(C) Rigid Constitution
(D) Directive principles of state policy
60. Term of office of the President of U.S.A.
(A) 6 years (B) 5 years
(C) 4 years (D) 7 years
61. When and where was the All India Kisan Sabha formed ?
(A) 1935 - Bombay
(B) 1942 - Kanpur
(C) 1938 - Calcutta
(D) 1936 - Lucknow
62. Who was the founder of the City of Agra ?
(A) Ala-ud-din Khalji
(B) Muhammad Tughlaq
(C) Firoz Tughlaq
(D) Sikander Lodi
63. When did the British make English the medium of instruction in India ?
(A) 1813 (B) 1833
(C) 1835 (D) 1844
64. Lord Buddha gave his first sermon at
(A) Sarnath in U.P.
(B) Bodha-Gaya in Bihar
(C) Nalanda in Bihar
(D) None of the above
65. What is the meaning of the word 'Sangam' in the Sangam Age ?
(A) Royal Court
(B) Assembly of poets
(C) Assembly of religious leaders
(D) Meeting of rivers
66. Ivory coast is located in
(A) South Africa
(B) North America
(C) West Africa
(D) South America
67. Seasonal migration of people is known as
(A) Pastoralism
(B) Nomadism
(C) Intra migration
(D) Transhumance

68. The country with the world's largest natural gas reserves is
 (A) Saudi Arabia
 (B) Kuwait
 (C) Russia
 (D) United States of America
69. Which of the following lakes is situated on the West Coast of India?
 (A) Astamudi (B) Chilka
 (C) Pulicat (D) Kolleru
70. GIS stands for
 (A) Geographical Integrated System
 (B) Geographical Information System
 (C) Geometrical Integrated System
 (D) General Immunity System
71. National AIDS research Institute is at
 (A) Chennai (B) New Delhi
 (C) Mumbai (D) Pune
72. A contemporary of Charles Darwin who came to the same conclusion in the matter of organic evolution was
 (A) Jean Baptist Lamarck
 (B) Thomas Huxley
 (C) Alfred Russel Wallace
 (D) Franklin Benjamin
73. Ink is prepared from
 (A) Dye (B) Tannin
 (C) Starch (D) Latex
74. Formic acid is produced by
 (A) White ants
 (B) Cockroaches
 (C) Red ants
 (D) Mosquitoes
75. Casuarina is a
 (A) Hydrophyte (B) Mesophyte
 (C) Xerophyte (D) Epiphyte
76. Male mosquitoes take their food from
 (A) The human blood
 (B) The standing water
 (C) The sap of plants
 (D) The dung and other debris
77. Radio Carbon Dating is used to estimate the age of
 (A) Soil
 (B) Monuments
 (C) Fossils
 (D) Rocks
78. According to kinetic theory of gases, at the temperature of absolute zero, the gas molecules
 (A) Start movement
 (B) Become massless
 (C) Start emitting light
 (D) Stop movement
79. The nuclear force is
 (A) short range repulsive force
 (B) short range attractive force
 (C) long range repulsive force
 (D) long range attractive force
80. A satellite in vacuum
 (A) is kept in orbit by remote control
 (B) is kept in orbit by retro-rocket
 (C) derives energy from gravitational field
 (D) does not require any energy for orbiting
81. Unsorted transaction that can be used to immediately update a database is called as
 (A) Direct database access
 (B) Sequential database access
 (C) Alternate database access
 (D) Instance database access
82. Which of the following number is not correctly written?
 (A) 101_8 (B) 101_2
 (C) $1A1_2$ (D) ABC_{16}
83. Chemical decomposition of an organic compound by water is called as
 (A) Hydrogenation
 (B) Hydration
 (C) Hydrolysis
 (D) All of these
84. Which of the following pairs is not correctly matched?
 (A) Vitamin B – Pyridoxine
 (B) Vitamin C – Ascorbic acid
 (C) Vitamin E – Alphanatocopherol
 (D) Vitamin D – Sunshine

85. Which of the following is not a nitrogenous fertilizer ?
 (A) Ammonium sulphate
 (B) Urea
 (C) Ammonium nitrate
 (D) Super phosphate
86. CaC_2 on treatment with water gives
 (A) Methane (B) Ethane
 (C) Ethylene (D) Acetylene
87. The "fine respiratory particles" which deteriorate air quality for breathing by human beings are categorized as
 (A) PM 0.0 (B) PM 2.5
 (C) PM 8.5 (D) PM 10.0
88. The snow leopard population is found in
 (A) Sikkim (B) Assam
 (C) Mizoram (D) Manipur
89. Total interacting animals and plants in any well defined area is known as
 (A) Population (B) Biome
 (C) Community (D) Species
90. "IPCC" stands for
 (A) Inter-governmental Panel on Climate Change
 (B) Indian Panel on Climate Change
 (C) International Policy on Climate Change
 (D) Indian Policy on Climate Control
91. In Bollywood, the actress popularly known as "Dream Girl" is
 (A) Zeenat Aman
 (B) Rakhi Sawant
 (C) Helen
 (D) Hema Malini
92. The most healthy edible oil for heart is
 (A) Butter oil
 (B) Olive oil
 (C) Rape-seed oil
 (D) Mustard oil
93. Telengana creation as an independent state is primarily the outcome of
 (A) 13th Lok Sabha
 (B) 14th Lok Sabha
 (C) 15th Lok Sabha
 (D) 16th Lok Sabha
94. Which of the followings is not correct ?
 (A) SIT – Special Intelligence Team
 (B) CNG – Compressed Natural Gas
 (C) NGT – National Green Tribunal
 (D) KYC – Know Your Customer
95. World's tallest women record is up to 7 ft. and 8 inches from
 (A) U.S.A. (B) China
 (C) Pakistan (D) Italy
96. Who was the first woman President of the Indian National Congress ?
 (A) Annie Besant
 (B) Sarojini Naidu
 (C) Vijaylakshmi Pandit
 (D) Kadambani Ganguli
97. ICMR is the abbreviation for
 (A) International Council for Malarial Research
 (B) Indian Council of Medical Research
 (C) International Council of Medical Research
 (D) Indian Council of Microbial Research
98. Rubber is a product of
 (A) Fibre (B) Latex
 (C) Resin (D) Gum
99. The first indigenous silent feature film (released on 3rd May, 1913) was called
 (A) Alam Ara
 (B) Raja Harishchandra
 (C) Bhakta Prahlad
 (D) Mother India
100. The book entitled "Spell of the Tiger" is written by
 (A) Jim Corbett
 (B) Valmik Thapar
 (C) Sy Montgomery
 (D) Atul Sethi

Part – C
QUANTITATIVE APTITUDE

101. $\sqrt[3]{(64)^{-1/6} \times (81)^{3/4} \times (64)^{2/3}}$ is
(A) 6 (B) 2 (C) 12 (D) 24
102. Six bells commence tolling together at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together?
(A) 16 (B) 15 (C) 10 (D) 4
103. A can do a piece of work in 15 days. With the help of A, B can do it in $6\frac{2}{3}$ days. B can do it alone in
(A) 13 days (B) 8 days
(C) 10 days (D) 12 days
104. A water tank has two pipes. The empty tank is filled in 12 minutes by the 1st and the full tank is emptied by the 2nd in 20 minutes. The time required to fill the $\frac{1}{2}$ full tank when both pipes are in action is
(A) 16 mins. (B) 15 mins.
(C) 20 mins. (D) 30 mins.
105. How many days will 1648 persons take to construct a bridge, if 721 persons can build the same in 48 days?
(A) 21 days (B) 20 days
(C) 23 days (D) 24 days
106. A horse is tied to a pole fixed at one corner of a 30 m \times 30 m square field of grass, by means of a 10 m long rope. Find the area of that part of the field in which the horse can graze. (take $\pi = 3.14$).
(A) 78.5 sq. m (B) 79.5 sq. m
(C) 76.0 sq. m (D) 78.0 sq. m
107. Curved surface area of a wooden cone of slant height 12 cm is 226.08 cm². The base radius of the cone is ($\pi = 3.14$)
(A) 3 cm (B) 8 cm
(C) 12 cm (D) 6 cm
108. The volume of metal in a hollow cylindrical pipe is 572 cm³. Its length is 14 cm and its external radius is 7 cm. The thickness of the pipe is
(A) 1 cm (B) 2 cm
(C) $\frac{7}{2}$ cm (D) $\frac{7}{4}$ cm
109. A single discount equivalent to a discount series of 30%, 20% and 10% is
(A) 50.4% (B) 49.6%
(C) 49.4% (D) 51%
110. A shopkeeper bought a table marked at ₹ 200 at successive discounts of 10% and 15% respectively. He spent ₹ 7 on transport and sold the table for ₹ 208. Find his profit percent.
(A) 32% (B) 30%
(C) 40% (D) 35%
111. A DVD is listed at ₹ 300 with a discount of 20%. The additional discount to be offered to bring the net price to ₹ 216 is
(A) 15% (B) 10%
(C) 8% (D) 12½%
112. If 10 masons working 7 hours daily can build 28 water tanks in 16 days, how many days will 12 masons working 6 hours daily take to build 36 water tanks?
(A) 20 (B) 21 (C) 22 (D) 19

SPACE FOR ROUGH WORK

113. Two numbers are in the ratio 1 : 2 when 4 is added to each, the ratio becomes 2 : 3. Then the numbers are
(A) 9 and 12 (B) 6 and 8
(C) 4 and 8 (D) 6 and 9
114. The average of first 25 numbers is 10 and the average of the next 25 numbers is 12. The average of all 50 numbers is
(A) 10 (B) 12 (C) 15 (D) 11
115. With an average speed of 40 km/hr a train reaches its destination in time. If it goes with an average speed of 35 km/hr it is late by 15 minutes. The total journey is
(A) 75 km (B) 70 km
(C) 80 km (D) 60 km
116. A dishonest trader claims that his selling price is equal to his cost price but weighs 900 gms instead of 1 kg, then his profit percent is
(A) 9% (B) 10%
(C) $11\frac{1}{9}\%$ (D) $9\frac{1}{11}\%$
117. Out of his income Mr. Raj spends 20% on house rent and 70% of the rest on household expenditure. If he saves ₹ 3,600 per month, then his total income per month in ₹ is
(A) 10,000 (B) 15,000
(C) 10,500 (D) 12,000
118. Two friends started for a place one by motor cycle and the other by train. The speed of motor cycle is 30 km/hr and that of train is 24 km/hr. The first one takes 6 hrs. 12 minutes to reach the destination. Find the time of reaching of second one.
(A) 8.00 hours (B) 7.25 hours
(C) 7.50 hours (D) 7.75 hours
119. A certain distance is covered at a certain speed. If half of this distance is covered in double the time, the ratio of the two speeds is
(A) 1 : 2 (B) 1 : 4
(C) 2 : 1 (D) 4 : 1
120. A certain sum, invested with interest of 8% per annum, compounded semi-annually amounts to ₹ 6,760 at the end of 1 year. The sum is
(A) ₹ 6,000 (B) ₹ 6,520
(C) ₹ 6,250 (D) ₹ 6,500
121. The value of t for which $m^2 - \frac{3}{2}m + t$ will be a perfect square, is
(A) $\frac{9}{4}$ (B) $\frac{9}{16}$ (C) $\frac{3}{2}$ (D) $\frac{3}{4}$
122. For any real number x , the maximum value of $4 - 6x - x^2$ is
(A) 4 (B) 7 (C) 9 (D) 13
123. For what value of k , the following equations have no solutions?
 $9x + 4y = 9$
 $7x + ky = 5$
(A) 3 (B) 4.7
(C) $\frac{28}{9}$ (D) $\frac{9}{28}$
124. Find the value of $\frac{1}{a+1} - \frac{1}{b+1}$,
when $a = \sqrt{2} + 1$, $b = \sqrt{2} - 1$
(A) 0 (B) 1
(C) $1 - \sqrt{2}$ (D) $\sqrt{2} - 1$

SPACE FOR ROUGH WORK

125. If $x + y + z = 0$, then the value of $\frac{1}{x^2 + y^2 - z^2} + \frac{1}{x^2 + z^2 - y^2} + \frac{1}{y^2 + z^2 - x^2}$ is
 (A) -2 (B) $-\frac{1}{2}$ (C) 0 (D) $\frac{1}{2}$
126. If $x^3 + y^3 = 9$ and $x + y = 3$, then the value of $x^4 + y^4$ is
 (A) 81 (B) 32 (C) 27 (D) 17
127. Out of the given responses, one of the factors of $x^3 - 3x^2 + 3x + 7$ is
 (A) $x^2 - 4x + 7$ (B) $x^2 + 4x + 7$
 (C) $x^2 + 4x - 7$ (D) $x^2 - 4x - 7$
128. If $x + y = 5$ then the value of $(x - 2)^3 + (y - 3)^3$ is
 (A) -1 (B) 1 (C) 2 (D) 0
129. Which of the following are not the sides of a right angled triangle?
 (A) $3, 4, 5$ (B) $1, 1, \sqrt{2}$
 (C) $1, \sqrt{3}, 2$ (D) $\sqrt{3}, \sqrt{4}, \sqrt{5}$
130. Two circles touch each other externally at a point. Then the number of direct common tangents, the circles may have, is
 (A) 2 (B) 4 (C) 3 (D) 1
131. If G be the centroid and AD be the median of $\triangle ABC$ and $AG = 4$ cm, then DG is
 (A) 2 cm (B) 3 cm
 (C) 4 cm (D) 5 cm
132. If the angles of a triangle are in the ratio $2 : 3 : 4$, then the triangle is
 (A) equilateral (B) right angled
 (C) isosceles (D) None of these
133. If ABC is an isosceles triangle right angled at C , then AB^2 is equal to
 (A) $3AC^2$ (B) $3BC^2$
 (C) $2AC^2$ (D) None of these
134. Find the distance of the chord of length 16 cm from the centre of the circle of diameter 20 cm?
 (A) 6 cm (B) 8 cm
 (C) 12 cm (D) 16 cm
135. In a triangle ABC , $\angle A + \angle B = 65^\circ$ and $\angle B + \angle C = 140^\circ$. Then $\angle B$ is
 (A) 60° (B) 50° (C) 40° (D) 25°
136. If the circumcentre of a triangle lie on the side whose adjacent angles are 45° each then find the other two sides if the radius of the circumcircle is 15 cm?
 (A) 15 cm (B) 30 cm
 (C) $15\sqrt{2}$ cm (D) $30\sqrt{2}$ cm
137. If $\sin \theta = \frac{a}{\sqrt{a^2 + b^2}}$, then the value of $\cot \theta$ will be
 (A) $\frac{b}{a}$ (B) $\frac{a}{b}$
 (C) $\frac{a}{b} + 1$ (D) $\frac{b}{a} + 1$
138. The value of $\frac{1 - \sin^2(\theta + 16^\circ)}{1 + \sin^2(\theta + 31^\circ)} \times \frac{\cos^2(\theta + 46^\circ) + \cos^2(\theta + 16^\circ)}{\operatorname{cosec}^2(\theta + 76^\circ) - \cot^2(\theta + 76^\circ)} \div \{\sin(\theta + 46^\circ) \tan(\theta + 16^\circ)\}$ for $\theta = 14^\circ$ is
 (A) -1 (B) 0 (C) $\frac{1}{2}$ (D) 1

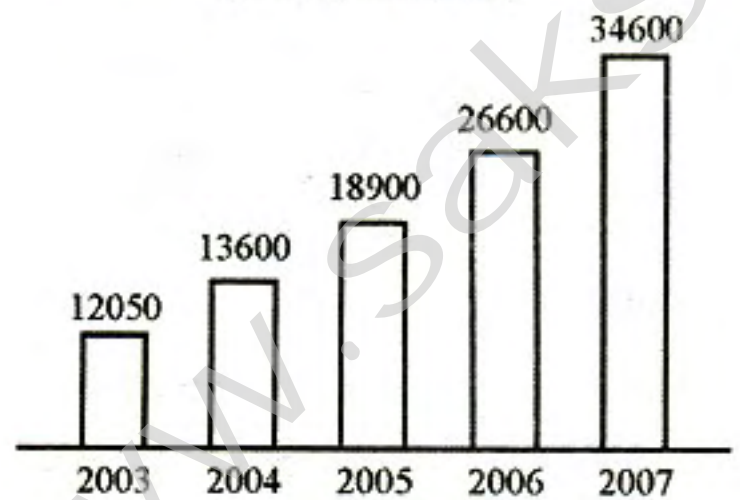
SPACE FOR ROUGH WORK

139. If $\sin \theta \cos \theta = \frac{1}{2}$, then $(\sin \theta - \cos \theta)^2 =$
 (A) 0 (B) 1 (C) 2 (D) 3
140. If $\alpha + \beta = 90^\circ$ and $\alpha : \beta = 2 : 1$, then $\tan \alpha : \tan \beta =$
 (A) 1 : 3 (B) 2 : 3
 (C) 3 : 2 (D) 3 : 1
141. In a right-angled triangle ABC, $\sin(A + B) = 1$ and $\cos A = \frac{1}{2}$. Find the value of $\cos(C - B)$
 (A) 0 (B) $\frac{1}{2}$ (C) 1 (D) $\frac{1}{\sqrt{2}}$
142. The number of sides in two regular polygons are as 5 : 4 and difference between their angles is 6° . The number of sides in the polygons are
 (A) 12 & 15 (B) 12 & 13
 (C) 20 & 16 (D) 15 & 12

143. If $A + B = 90^\circ$, then the value of $\frac{2(\sin^2 A + \sin^2 B)}{\operatorname{cosec}^2(A + B)}$ will be
 (A) $\frac{1}{4}$ (B) $\frac{1}{2}$ (C) 2 (D) 1

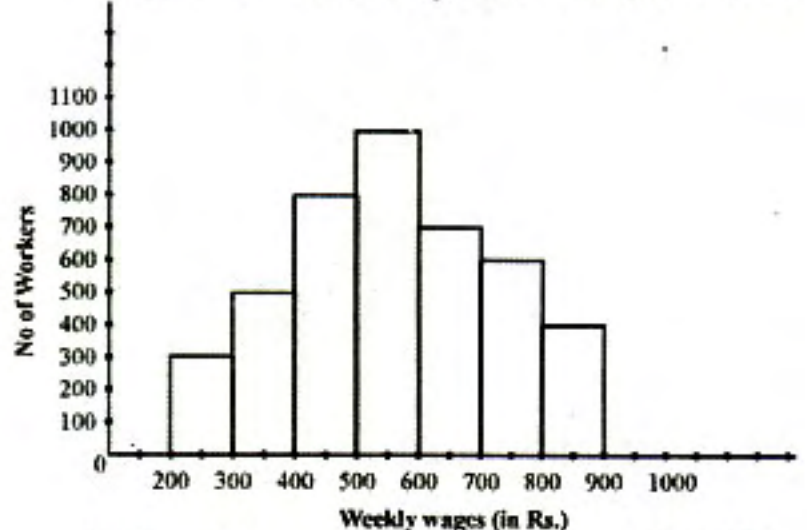
For Questions 144 to 147 refer to the following Bar Diagram which shows the production of electronic equipment from 2003 to 2007.

Production of Electronic Equipment
 (₹ in millions)



144. If the production of electronic equipment in 2003 is taken as base 100, the index of approximate production in 2007 is _____
 (A) 147 (B) 287 (C) 267 (D) 247
145. The increase in production of electronic equipment over the previous year for 2005 is how many times that for 2004 ?
 (A) 2.4 (B) 3.2 (C) 3.4 (D) 4.4
146. The average annual increase in the value of production (in ₹ million) for the given period is _____
 (A) 5637.5 (B) 4368.5
 (C) 5837.5 (D) 6638.5
147. Percentage of increase (approximate) in production of electronic equipment during 2005 compared to 2004 is _____
 (A) 19 (B) 29 (C) 57 (D) 39

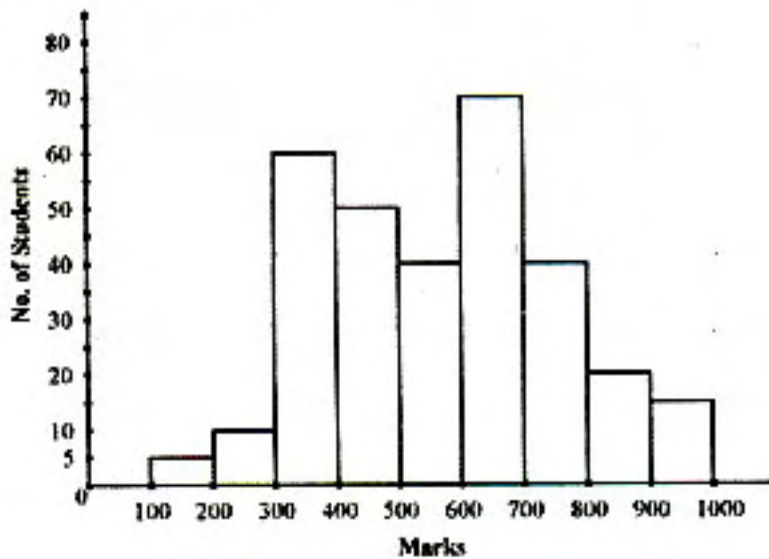
148. Adjoining Histogram of weekly wages of 4300 workers. Ratio of the number of workers receiving less than ₹ 500 wages to the number of workers receiving more than ₹ 600 is



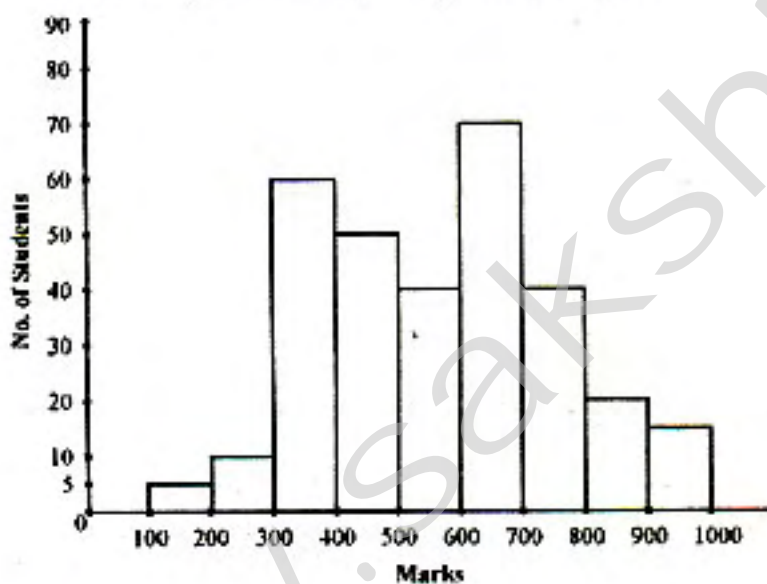
- (A) 17 : 16 (B) 16 : 17
 (C) 9 : 11 (D) 17 : 19

SPACE FOR ROUGH WORK

149. Adjoining figure is the Histogram of marks obtained in a examination of total marks 1000 and minimum pass marks is 300. The number of student who got more than or equal to 80% of marks are



- (A) 20 (B) 70
(C) 30 (D) 275
150. Adjoining figure is the Histogram of marks obtained in a examination. Total marks 1000 and pass marks is 300. The ratio of the number of students securing marks (800-900) to (500-600) is



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

For Visually Handicapped Candidates only

144. If $\frac{3}{4}$ of a number is 19 less than the original number, then the number is
(A) 84 (B) 64 (C) 72 (D) 76
145. If $a + p - 2 = 0$ then the value of $a^3 + 6ap + p^3 - 8$ is
(A) 1 (B) 0 (C) 2 (D) 3
146. The average of 40 students in a class is 15 years. If the age of the teacher is also included, the average becomes 16 years, then the age of the teacher is
(A) 15 yrs. (B) 16 yrs.
(C) 55 yrs. (D) 56 yrs.
147. A principal amounts ₹ 8,112 in 2 years, at 4% per annum interest rate, compounded annually. The principal is
(A) ₹ 7,200 (B) ₹ 7,500
(C) ₹ 7,800 (D) ₹ 8,000
148. The number of vertices in a cube is
(A) 6 (B) 8 (C) 10 (D) 12
149. Three numbers are in the ratio 5 : 7 : 12. If the sum of the first and the third numbers is greater than the second by 50, then the sum of the three numbers is
(A) 100 (B) 120 (C) 48 (D) 80
150. Some articles were bought at 8 for ₹ 6 and sold at 6 for ₹ 8. Gain percent is
(A) $77\frac{7}{9}$ (B) $46\frac{2}{13}$
(C) 50 (D) 150

SPACE FOR ROUGH WORK

Part – D
ENGLISH COMPREHENSION

Directions : In Question Nos. 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. A year has been gone by /
(A)
Since he left us /
(B)
and we never hear any news of him. /
(C)
No error
(D)
152. Those who lay down their lives /
(A)
for the sake of others will surely /
(B)
dwell forever in a world of bliss. /
(C)
No error
(D)
153. It is true that a sense of duty
may at time / render it necessary for
(A) / (B)
you to do that / which is displeasing
(C)
to your companions. / No error
(D)
154. It is necessary for everything to
prepare himself /
(A)
thoroughly in his early years for the tasks /
(B)
that he will have to perform in life. /
(C)
No error
(D)

155. His initials is engraved /
(A)
on the back of /
(B)
his watch. / No error
(C) / (D)

Directions : In Question Nos. 156 to 160, sentences given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it by blackening the appropriate oval [●] in the Answer Sheet.

156. Ask him _____ he is ready or not.
(A) whether (B) weather
(C) wither (D) weeder
157. The Teachers' Association will _____ the regulations.
(A) adept (B) adapt
(C) adopt (D) adapted
158. A _____ of chilly cold weather is expected in the next few months.
(A) phase (B) spell
(C) length (D) span
159. She is so _____ that she always believes my fairy tales.
(A) credible (B) vociferous
(C) credulous (D) innocent
160. She had an _____ of the ear.
(A) infection (B) ulceration
(C) injury (D) infections

Directions : In Question Nos. 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. Usual
(A) Same (B) Simple
(C) Customary (D) Save
162. Compel
(A) Force (B) Submit
(C) Agree (D) Ignore
163. Stringent
(A) Rigorous (B) Strained
(C) Dry (D) Shrill

Directions : In Question Nos. 164 to 166, choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

164. Strange
(A) Odd (B) Dark
(C) Real (D) Familiar
165. Prosperity
(A) Wealthy (B) Adversity
(C) Humility (D) Opportunity
166. Subservient
(A) Eligible (B) Inferior
(C) Superior (D) Powerful

Directions : In Question Nos. 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. My friend is quite hard-hearted.
(A) emotional
(B) cruel
(C) rude
(D) sentimental
168. His popularity is on the wane.
(A) on the heights
(B) stand still
(C) verge of eruption
(D) gradually declining

169. He was in doldrums after the quarrel with his brother.
(A) jubilant (B) in low spirits
(C) angry (D) left the house
170. If someone drops a bombshell, they
(A) make a serious mistake
(B) create a big problem
(C) have some big, bad news
(D) are attacking their enemy
171. Sachin has had a long inning in cricket.
(A) long spell
(B) fine experience
(C) victorious win
(D) ultimate success

Directions : In Question Nos. 172 to 181, a sentence/a 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. I did not expect an award for assisting him with help.
(A) helping him
(B) I had helped him
(C) I did help him
(D) No improvement
173. She gave him a cup that contained tea.
(A) of
(B) containing
(C) which had
(D) No improvement
174. He has finished his lunch now and was satisfied.
(A) and is satisfied now
(B) then and is satisfied
(C) now and is satisfied
(D) No improvement
175. The two thieves divided the loot between themselves.
(A) among themselves
(B) amongst themselves
(C) with themselves
(D) No improvement

176. Tell me what is his name ?
 (A) what name is he
 (B) what name is his
 (C) what his name is
 (D) No improvement
177. I congratulated him for his success.
 (A) in
 (B) on
 (C) at
 (D) No improvement
178. A kite is being flew by him.
 (A) fly
 (B) flown
 (C) flying
 (D) No improvement
179. The two parties broke off relation with one another in 1980.
 (A) broke away from the party
 (B) parted ways
 (C) broke down several times during the speech
 (D) No improvement
180. There is no solution for this problem.
 (A) solution to
 (B) solution of
 (C) solution from
 (D) No improvement
181. Today, bread and butter are my main worry.
 (A) were
 (B) was
 (C) is
 (D) No improvement

Directions : In Question Nos. 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 place where dead bodies are buried
 (A) Museum (B) Cemetery
 (C) Crematory (D) Park
183. Medicine given to counteract poison
 (A) Antibiotic (B) Antiseptic
 (C) Antidote (D) Antifungal
184. One who hates marriage
 (A) Misanthrope (B) Misogamist
 (C) Misogynist (D) Polygamist

185. Thawing Snow
 (A) Sludge (B) Slush
 (C) Slosh (D) Slash
186. One who specializes in the mathematics of insurance
 (A) A statistician (B) An actuary
 (C) An agent (D) An insurant
187. Violation of the sanctity of the Church
 (A) Infringement (B) Irreverence
 (C) Sacrilege (D) Transgression
188. Of one mind or opinion
 (A) Voluntary (B) Referendum
 (C) Homogenous (D) Unanimous

Directions : In Question Nos. 189 & 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) Dansuese (B) Danseuse
 (C) Danseus (D) Densuace
190. (A) Opressed (B) Oppressed
 (C) Oppresed (D) Operessed

Directions : In Question Nos. 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 No. I (Q. Nos. 191 – 195)

An upsurge of new research suggests that animals have a much higher level of brain-power than previously thought. If animals do have intelligence, how do scientists measure it ? Before defining animals' intelligence, scientists defined what is not intelligence. Instinct is not intelligence. It is a skill programmed into an animal's brain by its genetic heritage. Rote conditioning is also not intelligence. Tricks can be learned by repetition, but no real thinking is involved. Cuing, in which animals learn to do or not to do certain things by following outside signals, does not demonstrate intelligence. Scientists believe that insight, the ability to use tools, and communication using human language are all effective measures of the mental ability of animals.

When judging animal intelligence, scientists look for insight, which they define as a flash of sudden understanding. When a young gorilla could not reach fruit from a tree, she noticed crates scattered about the lawn near the tree. She piled the crates into a pyramid, then climbed on them to reach her reward. The gorilla's insight allowed her to solve a new problem without trial and error.

191. What does the new research suggest ?
 (A) Animals have a higher level of reasoning.
 (B) Animals cannot reason at all.
 (C) Animals have a much higher level of brainpower than what was earlier thought.
 (D) Animals teach men the power to reason.
192. Upsurge, as it is used in the passage, most nearly means
 (A) an increasingly large amount
 (B) a well known amount
 (C) a decreasing amount
 (D) an immeasurable amount
193. What is cuing in animals ?
 (A) Learning what is right and wrong by following signals.
 (B) Learning not to do things by following outside signals.
 (C) Learning to do things by following outside signals.
 (D) Learning to do or not to do things by following outside signals.
194. In the passage scientists define insight as a
 (A) an intuition
 (B) a deep perception
 (C) flash of sudden understanding
 (D) thorough knowledge
195. What did the gorilla's insight allow her to do ?
 (A) Solve a problem without any mistake.
 (B) Solve a problem without trial and error.
 (C) Solve a problem step by step.
 (D) All of the above.

Passage II (Q. Nos. 196-200)

In ancient times, a king had a boulder placed on a roadway. Then he hid himself and watched to see if anyone would remove the huge rock. Some of the kingdom's wealthiest merchants and courtiers came by and simply walked around it. Many loudly blamed the king for not keeping the roads clear, but none did anything about getting the stone out of the way. Then a peasant came along, carrying a load of vegetables. On approaching the boulder, the peasant laid down his burden and tried to move the stone to the side of the road. After much pushing and straining, he finally succeeded.

As the peasant picked up his load of vegetables, he noticed a purse lying in the road where the boulder had been. The purse contained many gold coins and a note from the king indicating that the gold was for the person who removed the boulder from the roadway.

The peasant learned what many others never understand : Every obstacle presents an opportunity to improve one's condition.

196. _____ attempted to remove the huge rock from the roadway.
 (A) The king (B) The peasant
 (C) The courtier (D) The merchant
197. The _____ did not blame the king for not keeping the roads clear.
 (A) merchant (B) courtier
 (C) people (D) peasant
198. The peasant succeeded to push the huge rock away from the road
 (A) after many failed attempts.
 (B) after the first attempt.
 (C) after a few attempts.
 (D) after no attempt.
199. The note from the king stated that the gold coins was for
 (A) any peasant who would remove the boulder from the roadway.
 (B) any person who would remove the boulder from the roadway.
 (C) any merchant who would remove the boulder from the roadway.
 (D) any courtier who would remove the boulder from the roadway.
200. The peasant removed the boulder
 (A) because he knew something about the reward.
 (B) because he was forced to.
 (C) without expecting anything in return.
 (D) sensing that the king was watching.