

SSC Combined Graduate Level Exam 2014 (Tier I)

Held On: 19-10-2014 (After Noon Session)

DO NOT OPEN THE POLYTHENE BAG/SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

Test Form No.
टेस्ट फॉर्म संख्या
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CC-2014

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Time Allowed : 2 Hours (For V.H. Candidates and Candidates Suffering from Cerebral palsy : 2 hrs. 40 Min.)

Maximum Marks : 200

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

अधिकतम अंक : 200

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

This Booklet contains questions in English as well as in Hindi 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

- This Booklet contains 200 questions in all comprising the following four parts :
Part-A : General Intelligence & Reasoning (50 Questions)
Part-B : General Awareness (50 Questions)
Part-C : Quantitative Aptitude (50 Questions)
Part-D : English Comprehension (50 Questions)
- In questions set bilingually in English and Hindi language, in case of discrepancy, the English version will prevail.
- All questions are compulsory and carry equal marks.
- The paper carries negative marking. 0.25 marks will be deducted for each wrong answer.
- Before you start to answer the questions you must check up this Booklet and ensure that it contains all the pages (1-32) and see that no page is missing or repeated. If you find any defect in this Booklet, you must get it replaced immediately.
- You will be supplied the Answer-Sheet separately by the Invigilator. You must complete and code the details of Name, Roll Number, Ticket Number and Test Form Number 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. / Cerebral palsy candidates will have to ensure that these details are filled in by the scribe. However, all V.H. / Cerebral palsy candidates must put their left-hand thumb impression at the space provided in the Answer-Sheet. Those V.H. / Cerebral palsy candidates who can sign should also put their signatures in addition to thumb impression.)
- Answers must be shown by completely blackening the corresponding ovals on Side-II of the Answer-Sheet against the relevant question number by Black/Blue Ball Point Pen only. Answers which are not shown by Black/Blue Ball-point Pen will not be awarded any mark.
- A machine will read the coded information in the OMR Answer-Sheet. In case the information is incomplete/different from the information given in the application form, such candidate will be awarded 'ZERO' mark.
- The Answer-Sheet must be handed over to the Invigilator before you leave the Examination-Hall.
- Failure to comply with any of the above instructions will render a candidate liable to such action / penalty as may be deemed fit.
- The manner in which the different questions are to be answered has been explained at the back of this Booklet (Page No. 32), which you should read carefully before actually answering the questions.
- Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
- In lieu of Question Nos. 39 to 50 and 144 to 150, relating to figural portions, alternate questions have been provided to be attempted by V.H. candidates only.
- 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.
- "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 वृद्धिमत्ता एवं तर्कशक्ति (50 प्रश्न)
भाग-ख : सामान्य जानकारी (50 प्रश्न)
भाग-ग : परिमाणान्मक अभिरुचि (50 प्रश्न)
भाग-घ : अंग्रेजी परिज्ञान (50 प्रश्न)
- अंग्रेजी और हिन्दी भाषा में तैयार किए गए द्विभाषी प्रश्नों में कोई विसंगति होने की स्थिति में अंग्रेजी विवरण मान्य होगा।
- सभी प्रश्न अनिवार्य हैं तथा सबके वगवग अंक हैं।
- प्रश्न पत्र में नकारात्मक अंकन होगा। हर गलत उत्तर के लिए 0.25 अंक काटा जाएगा।
- प्रश्नों के उत्तर देने से पहले आप इस पुस्तिका की जाँच करके देख लें कि इसमें पूरे पृष्ठ (1-32) हैं तथा कोई पृष्ठ कम या दुबारा तो नहीं आ गया है। यदि आप इस पुस्तिका में कोई त्रुटि पायें, तो तत्काल इसके बदले, दूसरी पुस्तिका ले लें।
- निरीक्षक द्वारा आपके 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। उपर्युक्त अनुदेशों का पूर्णतः अनुपालन किया जाए, अन्यथा आपके उत्तर-पत्रिका को जाँचा नहीं जाएगा और 'शून्य' अंक दिया जाएगा। (दृष्टिबाधित / सेरिब्रल पाल्सी उम्मीदवार सुनिश्चित करें कि यह विवरण लिपिक द्वारा भरा जाए। परन्तु सभी दृष्टिबाधित / सेरिब्रल पाल्सी उम्मीदवार उत्तर-पत्रिका में निर्धारित स्थान पर अपने बाएँ हाथ के अंगूठे का निशान अवश्य लगाएँ। जो दृष्टिबाधित / सेरिब्रल पाल्सी उम्मीदवार हस्ताक्षर कर सकते हैं, वे अंगूठे के निशान के अलावा अपने हस्ताक्षर भी कर दें।)
- उत्तर-पत्रिका में सभी उत्तर Side-II में प्रश्न संख्या के सामने दिये गये सम्बन्धित अण्डाकार खानों को केवल काले/नीले बॉल-पॉइंट पेन से पूरे तरह काला करके दिखाएँ। जो अण्डाकार खाने काले नीले बॉल-पॉइंट पेन से नहीं भरे जाएँगे, उनके लिए कोई अंक नहीं दिया जाएगा।
- ओ.एम.आर. उत्तर-पत्रिका में भरी गई कूट सूचना को एकमशीन पढ़ें। यदि सूचना अपूर्ण है अथवा आवेदन प्रपत्र में दी गई सूचना से भिन्न है, तो उसे अभ्यर्थी को 'शून्य' अंक दिया जाएगा।
- परीक्षा-भवन छोड़ने से पहले परीक्षार्थी को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए।
- ऊपर के अनुदेशों में से किसी एक का भी पालन न करने पर उम्मीदवार पर विवेकानुसार कार्यवाही की जा सकती है या दण्ड दिया जा सकता है।
- विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे (पृष्ठ संख्या 32) में छप हुए निर्देशों में दी गई है; इस आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें।
- प्रश्नों के उत्तर जितनी जल्दी हो सके तथा ध्यानपूर्वक दें। कुछ प्रश्न आसान तथा कुछ कठिन हैं। किसी एक प्रश्न पर बहुत अधिक समय न लगाएँ।
- आकृति से सम्बन्धित प्रश्न संख्या 39 से 50 एवं 144 से 150 के बदले में केवल दृष्टिबाधित उम्मीदवारों द्वारा हल किए जाने के लिए वैकल्पिक प्रश्न दिए गए हैं।
- कोई रफ़ कार्य उत्तर-पत्रिका पर नहीं करना है। रफ़ कार्य के लिए स्थान भाग क और भाग ग में प्रश्नों के नीचे दिया गया है।
- "परीक्षा हॉल/कमरा 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



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Part – A

GENERAL INTELLIGENCE & REASONING

1. Which of the following interchange of signs would make the equation correct?
 $8 \times 6 + 2 = 22$
 (A) +, ×, 2 and 6 (B) +, ×, 2 and 8
 (C) +, ×, 6 and 8 (D) +, ×, 2 and 22
2. If '-' stands for addition, '+' stands for subtraction, '÷' stands for multiplication and '×' stands for division, then which one of the following equation is correct?
 (A) $50 \times 5 \div 2 - 30 + 25 = 25$
 (B) $50 - 30 + 5 \div 2 \times 30 = 25$
 (C) $40 + 35 \times 2 - 50 \div 30 = 95$
 (D) $30 \times 2 - 25 + 50 \div 5 = 100$

Directions : In Question Nos. 3 and 4 some equations are solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis.

3. $2 \times 4 \times 6 = 4$; $9 \times 3 \times 7 = 13$;
 $4 \times 7 \times 6 = 3$; $9 \times 7 \times 8 = ?$
 (A) 10 (B) 09 (C) 08 (D) 07
4. $3 \times 5 \times 7 \times 2 = 24$, $2 \times 4 \times 6 \times 8 = 22$,
 $4 \times 4 \times 8 \times 9 = ?$
 (A) 33 (B) 25 (C) 144 (D) 1152

Directions : In Question Nos. 5 to 7 find the missing number from the given responses.

5.

96	?	168
32	48	56
16	24	28

 (A) 52 (B) 144 (C) 64 (D) 38
6.

7	8	5
6	9	?
2	3	6
84	216	900

 (A) 90 (B) 70 (C) 65 (D) 30
7.

2	3	4	?
3	1	4	2
4	2	2	6
5	5	2	2
196	121	144	225

 (A) 4 (B) 5 (C) 6 (D) 3

Directions (Q. Nos. 8 to 13) : Select the related word/letter/numbers from the given alternatives.

8. SOCIAL : OCIALS :: DRIVEN : ?
 (A) VENRID (B) NEVIRD
 (C) RIVEND (D) VIREND
9. $\frac{1}{8} : \frac{1}{64} :: \frac{1}{16} : ?$
 (A) 128 (B) 126
 (C) 144 (D) 132
10. $29 : 71 :: 79 : ?$
 (A) 120 (B) 192
 (C) 197 (D) 131
11. Embarrassed : Humiliated ::
 Frightened : ?
 (A) Terrified (B) Agitated
 (C) Courageous (D) Reckless
12. Macabre : Lovely :: Baneful : ?
 (A) Unharmful (B) Churlish
 (C) Filter (D) Ugly
13. AYRRJC : CATTLE :: NCPDCAR : ?
 (A) SUBJECT (B) NEGLECT
 (C) PERFECT (D) OPERATE

Directions : In Question Nos. 14 to 19 find the odd word/letters/numbers from the given alternatives.

14. (A) Square (B) Trapezium
 (C) Cylinder (D) Parallelogram
15. (A) Yacht (B) Submarine
 (C) Boat (D) Ship
16. (A) Autobiography
 (B) Malayalam
 (C) Intelligence
 (D) Dictionary

SPACE FOR ROUGH WORK

17. (A) MIGE (B) XTQO
(C) RNKI (D) HDAY
18. (A) 42 : 4 (B) 48 : 6
(C) 32 : 2 (D) 15 : 5
19. (A) Year 2012 (B) Year 1998
(C) Year 2005 (D) Year 1997
20. Arrange the following words as per order in the dictionary :
- | | |
|-------------|------------|
| 1. Euphrasy | 2. Eupepsy |
| 3. Euphonic | 4. Eugenic |
| 5. Euphony | |
- (A) 4, 3, 2, 1, 5 (B) 3, 4, 1, 2, 5
(C) 4, 2, 3, 5, 1 (D) 3, 5, 2, 4, 1
21. Which one of the given responses would be a meaningful order of the following ?
- | | |
|---------------|--------------|
| 1. Absorption | 2. Digestion |
| 3. Nutrition | 4. Excretion |
- (A) 3, 1, 2, 4 (B) 2, 1, 3, 4
(C) 3, 4, 2, 1 (D) 3, 2, 1, 4

Directions : In Question Nos. 22 to 25, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

22. 0, ?, 8, 27, 64, 125
(A) 5 (B) 4
(C) 2 (D) 1
23. BMX, DNW, FOU, ?
(A) GHO (B) GPS
(C) HPS (D) HPT
24. DHK, GKN, JNQ, ?
(A) MRU (B) MQT
(C) LPS (D) NRU
25. 1, 5, 25, 125, ?, ?, ?
(A) 245, 485, 965
(B) 225, 325, 425
(C) 625, 3225, 15605
(D) 625, 3125, 15625

26. In a class composed of x girls and y boys what part of the class is composed of girls ?
(A) $y(x+y)$ (B) x/xy
(C) $x/(x+y)$ (D) y/xy
27. If a number is greater than 5 but less than 9 and greater than 7 but less than 11, the number is
(A) 5 (B) 6 (C) 7 (D) 8
28. In a row, 25 trees are planted at equal distance from each other. The distance between 1st and 25th tree is 30 m. What is the distance between 3rd and 15th tree ?
(A) 8 m (B) 15 m (C) 16 m (D) 18 m

Directions : In Question Nos. 29 & 30 from the given alternative words, select the word which cannot be formed using the letters of the given word :

29. INSTITUTIONALISE
(A) NUTRITION (B) INTUITION
(C) TUITION (D) INSULATION
30. STIMULATION
(A) STATION (B) NATION
(C) MOTION (D) MOUTH
31. In a certain code, TRIPLE is written as SQHOKD. How is DISPOSE written in that code ?
(A) CHRONRD (B) DSOESPI
(C) ESJTPTF (D) ESOPSID
32. Which letter in the word 'Vertex' should be changed to mean spiral movement ?
(A) 1st (B) 2nd (C) 4th (D) Last
33. If TRANSFER is coded as RTNAFSRE, then how ELEPHANT be coded in that code language ?
(A) LEPEHATN (B) LEPEAHTN
(C) LEEPAHTN (D) LEPEAHNT
34. If MONKO is coded as 57637, then how KLJMN be coded in the same code ?
(A) 32456 (B) 34256
(C) 35156 (D) 32546

SPACE FOR ROUGH WORK

35. Statement is given followed by two inferences 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 inferences, if any, follow from the given statement.

Statement : "Electric supply in Anand Colony will be cut tomorrow after 12 O'clock for three hours because repairing work will be carried out."

Inferences : I. Residents of Anand Colony may use their electrical appliances before 12 O'clock tomorrow.

II. Residents of Anand Colony need training for using electricity economically.

- (A) Only inference I follows.
- (B) Only inference II follows.
- (C) Both the inferences follow.
- (D) None of the inferences follows.

36. Anand travels 10 kms from his home to the east to reach his school. Then he travels 5 kms to the south to reach his father's shop, after school. He then travels 10 kms to the west to help his uncle. How far and in which direction is he from his home ?

- (A) 10 kms North
- (B) 5 kms South
- (C) 5 kms East
- (D) 10 kms West

37. Four villages A, B, C and D lie in a straight line. D is 10 kms from B. A is exactly between D and C and C from B is 2 kms more than it is from D. How far is C from B ?

- (A) 4 kms
- (B) 6 kms
- (C) 8 kms
- (D) 2 kms

38. Select the alternative inference which is most appropriate.

"All professors are learned; learned people are always gentle."

Inference : All professors are gentle persons.

- (A) The inference is true.
- (B) The inference is false.
- (C) The inference is probably true or probably false.
- (D) The inference is irrelevant.

Directions : In Question Nos. 39 and 40, among four answer figures whose cut pieces can form the given question figure ?

39. **Question figure :**



Answer figures :



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

40. **Question figure :**



Answer figures :



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

41. Which of the following answer figures cannot occur when the question figure given below is rotated ?

Question figure :



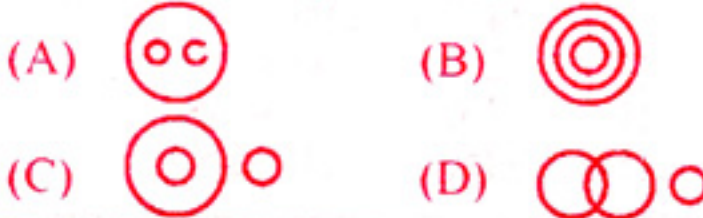
Answer figures :



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

Directions : In Question Nos. 42 and 43, which of the following Venn diagrams best represents the relation between given classes ?




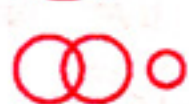
42. Humans, Birds, Animals



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

SPACE FOR ROUGH WORK

43. Fruits, Apples, Oranges

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

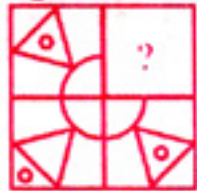
44. In the diagram given below which letter(s) represents the students who play Cricket as well as Football and Hockey ?







- (A) S + T + U (B) V
 (C) S (D) P + R + U

Directions : In Question Nos. 45 and 46, which answer figure will complete the pattern in the question figure ?

45. Question figure :






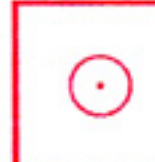
Answer figures :

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

46. Question figure :



Answer figures :



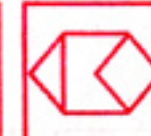

- (A)  (B)  (C)  (D) 

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

Question figure :



Answer figures :




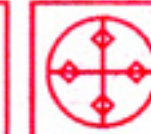
- (A)  (B)  (C)  (D) 

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) 

SPACE FOR ROUGH WORK

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 2 to 6 respectively and that of Matrix II are numbered from 2 to 6 and 7 to 0 respectively. A letter from these matrices can be represented first by its row and next by its column, e.g. 'H' can be represented by 04, 25, 32, etc., and 'N' can be represented by 21, 40, 59, etc. Similarly, you have to identify the set for the word given below :

YEAR

Matrix - I

	2	3	4	5	6
0	Y	A	H	M	J
1	M	J	H	A	Y
2	A	Y	J	H	M
3	H	J	Y	M	A
4	J	M	A	Y	H

Matrix - II

	7	8	9	1	0
2	E	R	V	N	O
3	V	N	O	E	R
4	O	E	R	V	N
5	R	V	N	O	E
6	N	O	E	R	V

- (A) 23, 27, 15, 61
 (B) 16, 38, 15, 30
 (C) 34, 31, 32, 28
 (D) 45, 50, 36, 29

For Visually Handicapped Candidates only

Directions : In Question Nos. 39 to 41, select the related words/letters/number from the given alternatives.

39. Binding : Book
 (A) Criminal : Gang
 (B) Artist : Carpenter
 (C) Frame : Picture
 (D) Display : Museum
40. DGLS :: ADIP :: CFKR :: ?
 (A) RUXA (B) RUZG
 (C) RTVX (D) RVZC
41. 16 : 26 : 36 :
 (A) 50 (B) 48
 (C) 29 (D) 60

Directions : In Question Nos. 42 to 44, find the odd word/letters/number from the given alternatives.

42. (A) Microscope (B) Telescope
 (C) Periscope (D) Stethoscope
43. (A) ONONLD (B) RESOMY
 (C) NOARDP (D) DRASMA
44. (A) 82 (B) 65 (C) 26 (D) 15
45. Which one of the given responses would be a meaningful order of the following?
 1. Pass 2. Medal 3. Result
 4. School 5. Examination
 (A) 4, 5, 3, 1, 2 (B) 5, 3, 1, 2, 4
 (C) 4, 5, 1, 2, 3 (D) 4, 1, 5, 2, 3
46. Choose the correct alternative from the given ones that will complete the series.
 5, 4, 10, 8, 15, ?
 (A) 12 (B) 17 (C) 19 (D) 14
47. If BILLION is written as IBLLOIN, how will CLINTON be coded?
 (A) TLINCON (B) NITLNOC
 (C) LCNIOTN (D) NLITONC
48. If '*' stands for division, '-' stands for multiplication, '/' stands for addition and '@' stands for subtraction, which one of the following equation is correct?
 (A) $25 * 5 @ 10 / 1 - 100 / 5 = 100$
 (B) $25 / 5 - 50 @ 30 * 2 = 75$
 (C) $25 - 6 / 10 @ 1 @ 100 * 5 = 139$
 (D) $25 / 100 * 5 / 10 @ 1 - 6 = 29$

Directions : In Question Nos. 49 and 50, some letters are given with numbers from 1 to 9 or 6. Select the sequence of numbers which arranges the letters into a meaningful word.

49. N N D I N I T G A
 1 2 3 4 5 6 7 8 9
 (A) 2 1 5 7 6 4 3 8 9
 (B) 3 1 2 5 4 6 7 9 8
 (C) 4 2 1 3 5 7 6 8 9
 (D) 4 2 3 6 8 5 9 1 7
50. D E N F R I
 1 2 3 4 5 6
 (A) 4, 5, 1, 2, 3, 6 (B) 3, 2, 1, 6, 5, 4
 (C) 6, 4, 2, 3, 5, 1 (D) 1, 2, 5, 4, 6, 3

SPACE FOR ROUGH WORK

Part – B
GENERAL AWARENESS

51. 'There are no politics devoid of religion' is stated by
(A) Nehru
(B) Gandhi
(C) Vinoba Bhave
(D) Jaya Prakash Narayan
52. In which Rock Edict Ashoka mentions about the casualties of Kalinga War and declares the renunciation of war?
(A) Maski Edict
(B) Rock Edict XIII
(C) Rock Edict XI
(D) Rock Edict X
53. Akbar held his religious discussion in
(A) Jodhabai's Palace
(B) Panch Mahal
(C) Ibadat Khana
(D) Buland Darwaza
54. Who succeeded Guru Nanak?
(A) Guru Angad
(B) Guru Ramdas
(C) Guru Arjan
(D) Guru Hargobind
55. The Earliest Settlements of Aryan tribes were at
(A) Uttar Pradesh
(B) Bengal
(C) Sapta Sindhu
(D) Delhi
56. Who said, "Adolf Hitler is Germany and Germany is Adolf Hitler. He who pledges himself to Hitler pledges himself to Germany"?
(A) R. Hess
(B) Mussolini
(C) Hitler
(D) Communist International
57. Who speaks of Cabinet system as "the steering wheel of the ship of State"?
(A) Lowell (B) Muir
(C) Marriot (D) Bagehot
58. Who has called the Prime Minister *primus inter pares* (first among equals)?
(A) Morely (B) Harcourt
(C) Laski (D) Lowell
59. What is farming along with animal husbandry called?
(A) Mixed farming
(B) Mixed agriculture
(C) Dairy farming
(D) Truck farming
60. Hydraulic Action is a type of erosion caused by
(A) Running water
(B) Wind
(C) Glacier
(D) None of these
61. Which of the following is the newest geological era?
(A) Permian (B) Triassic
(C) Cretaceous (D) Jurassic
62. The plant from which cocoa and chocolate are obtained is a
(A) herb
(B) shrub
(C) small tree
(D) very big tree
63. The biggest single-celled organism is
(A) Yeast
(B) Acetabularia
(C) Acetobacter
(D) Amoeba
64. Crescograph was invented by
(A) S.N. Bose
(B) P.C. Roy
(C) J.C. Bose
(D) P.C. Mahalanobis
65. Foramen Magnum is an aperture found in the
(A) Ear (B) Lung
(C) Girdle (D) Skull
66. Who betrayed Siraj-ud-Daula in the Battle of Plassey in 1757?
(A) Hyder Ali
(B) Mir Qasim
(C) Mir Jaffar
(D) Nawab of Oudh
67. 'Kelp' is
(A) Sulphide mineral of iron
(B) Partially decomposed vegetation
(C) Sea weed rich in iodine content
(D) An aluminium silicate mineral
68. Spot the odd item in the following:
(A) Basalt (B) Ruby
(C) Emerald (D) Sapphire

69. Light from the Sun reaches us in nearly
 (A) 8 min. (B) 2 min.
 (C) 6 min. (D) 4 min.
70. Radar is used to
 (A) locate submerged submarines.
 (B) receive signal from radio receivers.
 (C) detect and locate distant objects.
 (D) locate geostationary satellites.
71. Optical fibre works on the principle of
 (A) refraction
 (B) scattering
 (C) interference
 (D) total internal reflection
72. Which application in Microsoft Office is feasible for preparing presentations ?
 (A) Microsoft Excel
 (B) Microsoft Word
 (C) Microsoft PowerPoint
 (D) Microsoft Publishers
73. The language which was used to build Internet Pages in the beginning of Internet Technology is
 (A) XML (B) HTML
 (C) DHTML (D) ASP
74. Name the branch of Zoology that deals with the scientific study of animal behaviour.
 (A) Ecology (B) Physiology
 (C) Ethology (D) Anatomy
75. 'Barr body' is found in
 (A) Sperm
 (B) Sertoli cells
 (C) Female somatic cells
 (D) Male somatic cells
76. The colours of stars depend on their
 (A) temperature
 (B) distance
 (C) radius
 (D) atmospheric pressure
77. Which source has been particularly fruitful in finding novel anti-tumour agents such as bryostatins and dolostatins ?
 (A) Marine sources
 (B) Animals
 (C) Venoms and toxins
 (D) Combinatorial chemistry
78. The pollutant responsible for ozone holes is _____.
 (A) CO₂ (B) SO₂
 (C) CO (D) CFC
79. One of the best solutions to get rid of non-biodegradable wastes is
 (A) Burning (B) Dumping
 (C) Burying (D) Recycling
80. Vermicomposting is done by
 (A) Fungus (B) Bacteria
 (C) Worms (D) Animals
81. If waste materials contaminate the source of drinking water, which of the following diseases will spread ?
 (A) Scurvy (B) Typhoid
 (C) Malaria (D) Anaemia
82. India exports power to _____.
 (A) Bangladesh (B) Myanmar
 (C) Pakistan (D) Bhutan
83. The alkaloid naturally found in coffee, cocoa and cola nut is
 (A) Cocaine (B) Morphine
 (C) Tannin (D) Caffeine
84. The metal used for making aircrafts and rockets is
 (A) Lead (B) Aluminium
 (C) Nickel (D) Copper
85. The process of improving the quality of rubber by heating it with sulphur is called
 (A) Vulcanization
 (B) Acceleration
 (C) Sulphonation
 (D) Galvanization

86. Which State is the largest producer of pulses in India ?
 (A) Bihar
 (B) Rajasthan
 (C) Madhya Pradesh
 (D) Maharashtra
87. In India, woman had never been a Chief Minister in the State of
 (A) Tamil Nadu
 (B) Rajasthan
 (C) Uttar Pradesh
 (D) Maharashtra
88. Which of the following is not a noble gas ?
 (A) Hydrogen (B) Helium
 (C) Neon (D) Argon
89. Sunda Trench is in
 (A) Indian Ocean
 (B) Pacific Ocean
 (C) Atlantic Ocean
 (D) Gulf of Mexico
90. Which of the following is an organic rock ?
 (A) Marble (B) Coal
 (C) Granite (D) Slate
91. Who among the following has written the famous book "Malgudi Days" ?
 (A) V.S. Naipaul
 (B) Deepak Chopra
 (C) Rabindranath Tagore
 (D) R.K. Narayan
92. British Crown assumed sovereignty over India from the East India Company in the year
 (A) 1857 (B) 1858
 (C) 1859 (D) 1860
93. Which vein brings clean blood from the lungs into the heart ?
 (A) Renal Vein
 (B) Pulmonary Vein
 (C) Vena Cava
 (D) Hepatic Vein
94. The first woman President of Indian National congress was
 (A) Kamala Devi Chattopadhyaya
 (B) Sarojini Naidu
 (C) Annie Besant
 (D) Rajkumari Amrit Kaur
95. Average propensity to consume is defined as
 (A) $\frac{\text{Aggregate consumption}}{\text{Total population}}$
 (B) $\frac{\text{Aggregate income}}{\text{Aggregate consumption}}$
 (C) $\frac{\text{Change in consumption}}{\text{Change in income}}$
 (D) $\frac{\text{Aggregate consumption}}{\text{Aggregate income}}$
96. In short run, if a competitive firm incurs losses, it will
 (A) stop production.
 (B) continue to produce as long as it can cover its variable costs.
 (C) raise price of its product.
 (D) go for advertising campaign.
97. Which one of the following is the specific feature of the single member constituency system ?
 (A) The system is economical for representatives.
 (B) Gerrymandering is not possible in this system.
 (C) It secures a stable majority in the legislature.
 (D) The candidate has to spend less on electioneering.
98. Which of the following relations always holds true ?
 (A) $\text{Income} = \text{Consumption} + \text{Investment}$
 (B) $\text{Income} = \text{Consumption} + \text{Saving}$
 (C) $\text{Saving} = \text{Investment}$
 (D) $\text{Income} = \text{Consumption} + \text{Saving} + \text{Investment}$
99. The Keynesian consumption function shows a relation between
 (A) aggregate consumption and total population.
 (B) aggregate consumption and general price level.
 (C) aggregate consumption and aggregate income.
 (D) aggregate consumption and interest rate.
100. Over short period, when income rises, average propensity to consume usually
 (A) rises
 (B) falls
 (C) remains constant
 (D) fluctuates

Part – C
QUANTITATIVE APTITUDE

101. A plate was sold for ₹ 6,300 after giving two successive discounts of $12\frac{1}{2}\%$ and 10% . Find the marked price.
(A) ₹ 7,300 (B) ₹ 7,700
(C) ₹ 8,000 (D) ₹ 7,250
102. To attract more visitors, Zoo authority announces 20% discount on every ticket which costs 25 p. For this reason, sale of ticket increases by 28% . Find the percentage of increase in the number of visitors.
(A) 40% (B) 50%
(C) 60% (D) No change
103. Which of the following represents a correct proportion?
(A) $12 : 9 = 16 : 12$
(B) $13 : 11 = 5 : 4$
(C) $30 : 45 = 13 : 24$
(D) $3 : 5 = 2 : 5$
104. A sphere is cut into two hemispheres. One of them is used as bowl. It takes 8 bowlfuls of this to fill a conical vessel of height 12 cm and radius 6 cm. The radius of the sphere (in centimetre) will be
(A) 3 (B) 2 (C) 4 (D) 6
105. The perimeters of a circle, a square and an equilateral triangle are same and their areas are C, S and T respectively. Which of the following statement is true?
(A) $C = S = T$ (B) $C > S > T$
(C) $C < S < T$ (D) $S < C < T$
106. The list price of a shirt is ₹ 440 and a customer pays ₹ 396 for it. The discount rate is
(A) 10% (B) $10\frac{1}{2}\%$
(C) 20% (D) 12%
107. Nisha bought a number of oranges at 2 for a rupee and an equal number at 3 for a rupee. To make a profit of 20% she should sell a dozen for
(A) ₹ 6 (B) ₹ 8 (C) ₹ 10 (D) ₹ 12
108. If A's salary is 50% more than that of B, then B's salary is less than A's by
(A) 33% (B) $40\frac{1}{3}\%$
(C) $45\frac{1}{3}\%$ (D) $33\frac{1}{3}\%$
109. A and B are 20 km apart. A can walk at an average speed of 4 km/hour and B at 6 km/hr. If they start walking towards each other at 7 a.m., when they will meet?
(A) 8.00 a.m. (B) 8.30 a.m.
(C) 9.00 a.m. (D) 10.00 a.m.
110. A policeman starts to chase a thief. When the thief goes 10 steps the policeman moves 8 steps, 5 steps of the policeman is equal to 7 steps of the thief. The ratio of the speeds of the policeman and the thief is
(A) 25 : 28 (B) 25 : 56
(C) 28 : 25 (D) 56 : 25
111. In a Mathematics examination the numbers scored by 5 candidates are 5 successive odd integers. If their total marks is 185, the highest score is
(A) 39 (B) 43 (C) 41 (D) 37
112. In two successive years, 80 and 60 students of a school appeared at the final examination of which 60% and 80% passed respectively. The average rate of students passed (in percent) is
(A) 68% (B) $68\frac{4}{7}\%$
(C) 70% (D) $72\frac{3}{7}\%$

SPACE FOR ROUGH WORK

113. What is the value of $\frac{(941 + 149)^2 + (941 - 149)^2}{(941 \times 941 + 149 \times 149)}$?
 (A) 10 (B) 2
 (C) 1 (D) 100
114. If $x + \frac{1}{x} = 5$, then $x^6 + \frac{1}{x^6}$ is
 (A) 12098 (B) 12048
 (C) 14062 (D) 12092
115. If $5\sqrt{5} \times 5^3 + 5^{-\frac{3}{2}} = 5^{a+2}$, then the value of a is
 (A) 4 (B) 5 (C) 6 (D) 8
116. If $x^2 - 3x + 1 = 0$, then the value of $\frac{x^6 + x^4 + x^2 + 1}{x^3}$ will be
 (A) 18 (B) 15 (C) 21 (D) 30
117. A boat goes 24 km upstream and 28 km downstream in 6 hours. It goes 30 km upstream and 21 km downstream in 6 hours and 30 minutes. The speed of the boat in still water is
 (A) 8 km/hr (B) 9 km/hr
 (C) 12 km/hr (D) 10 km/hr
118. The compound interest on a certain sum of money for 2 years at 5% per annum is ₹ 410. The simple interest on the same sum at the same rate and for the same time is
 (A) ₹ 400 (B) ₹ 300
 (C) ₹ 350 (D) ₹ 405
119. The graphs of $x = a$ and $y = b$ intersect at
 (A) (a, b) (B) (b, a)
 (C) (-a, b) (D) (a, -b)
120. 'O' is the centre of the circle, AB is a chord of the circle, $OM \perp AB$. If $AB = 20$ cm, $OM = 2\sqrt{11}$ cm, then radius of the circle is
 (A) 15 cm (B) 12 cm
 (C) 10 cm (D) 11 cm
121. If the angles of a triangle ABC are in the ratio 2 : 3 : 1, then the angles $\angle A, \angle B, \angle C$ is
 (A) $\angle A = 60^\circ, \angle B = 90^\circ, \angle C = 30^\circ$
 (B) $\angle A = 40^\circ, \angle B = 120^\circ, \angle C = 20^\circ$
 (C) $\angle A = 20^\circ, \angle B = 60^\circ, \angle C = 60^\circ$
 (D) $\angle A = 45^\circ, \angle B = 90^\circ, \angle C = 45^\circ$
122. In $\Delta ABC, \angle ABC = 70^\circ, \angle BCA = 40^\circ$. O is the point of intersection of the perpendicular bisectors of the sides, then the angle $\angle BOC$ is
 (A) 100° (B) 120°
 (C) 130° (D) 140°
123. If the measures of the sides of triangle are $(x^2 - 1), (x^2 + 1)$ and $2x$ cm, then the triangle would be
 (A) equilateral (B) acute-angled
 (C) isosceles (D) right-angled
124. $2^x = 4^y = 8^z$ and $xyz = 288$, then value of $\frac{1}{2x} + \frac{1}{4y} + \frac{1}{8z}$ is
 (A) $\frac{11}{12}$ (B) $\frac{11}{96}$ (C) $\frac{29}{96}$ (D) $\frac{27}{96}$
125. If $x^4 + \frac{1}{x^4} = 119$ & $x > 1$, then find the positive value of $x^3 - \frac{1}{x^3}$
 (A) 25 (B) 27 (C) 36 (D) 49
126. The value of $(3 + 2\sqrt{2})^{-3} + (3 - 2\sqrt{2})^{-3}$ is
 (A) 198 (B) 180 (C) 108 (D) 189

SPACE FOR ROUGH WORK

127. The value of $\sin^2 30^\circ \cos^2 45^\circ + 5 \tan^2 30^\circ + \frac{3}{2} \sin^2 90^\circ - 3 \cos^2 90^\circ$ is
 (A) $3\frac{7}{24}$ (B) $3\frac{3}{24}$
 (C) $3\frac{1}{24}$ (D) $3\frac{5}{24}$
128. If $\cos^2 \theta - \sin^2 \theta = \frac{1}{3}$, where $0 \leq \theta \leq \frac{\pi}{2}$, then the value of $\cos^4 \theta - \sin^4 \theta$ is
 (A) $\frac{1}{3}$ (B) $\frac{2}{3}$ (C) $\frac{1}{9}$ (D) $\frac{2}{9}$
129. If $\tan \theta = \frac{1}{\sqrt{11}}$ and $0 < \theta < \frac{\pi}{2}$, then the value of $\frac{\operatorname{cosec}^2 \theta - \sec^2 \theta}{\operatorname{cosec}^2 \theta + \sec^2 \theta}$ is
 (A) $\frac{3}{4}$ (B) $\frac{4}{5}$ (C) $\frac{5}{6}$ (D) $\frac{6}{7}$
130. If angle bisector of a triangle bisect the opposite side, then what type of triangle is?
 (A) Right angled (B) Scalene
 (C) Similar (D) Isosceles
131. If each angle of a triangle is less than the sum of the other two, then the triangle is
 (A) obtuse angled (B) right angled
 (C) acute angled (D) equilateral
132. A, B, C are three points on the circumference of a circle and if $\overline{AB} = \overline{AC} = 5\sqrt{2}$ cm and $\angle BAC = 90^\circ$, find the radius.
 (A) 10 cm (B) 5 cm
 (C) 20 cm (D) 15 cm
133. Pipe A is an inlet pipe filling the tank at 8000 l/hr. Pipe B empties the tank in 3 hours. The capacity of the tank is
 (A) 12000 l (B) 8000 l
 (C) 6000 l (D) 4000 l
134. A tap drips at a rate of one drop/sec. 600 drops make 100 ml. The number of litres wasted in 300 days is
 (A) 4320000 (B) 432000
 (C) 43200 (D) 4320
135. ABC is a right angled triangle, B being the right angle. Mid-points of BC and AC are respectively B' and A'. Area of $\Delta A'B'C$ is
 (A) $\frac{1}{2} \times$ area of ΔABC
 (B) $\frac{2}{3} \times$ area of ΔABC
 (C) $\frac{1}{4} \times$ area of ΔABC
 (D) $\frac{1}{8} \times$ area of ΔABC
136. Three numbers are in the ratio 1 : 2 : 3 and their HCF is 12. The numbers are
 (A) 12, 24, 36 (B) 5, 10, 15
 (C) 4, 8, 12 (D) 10, 20, 30
137. If $x [-2\{-4(-a)\}] + 5 [-2\{-2(-a)\}] = 4a$, then $x =$
 (A) -2 (B) -3
 (C) -4 (D) -5
138. A can complete a work in 'm' days and B can complete it in 'n' days. How many days will it take to complete the work if both A and B work together?
 (A) (m + n) days (B) $\left(\frac{1}{m} \times \frac{1}{n}\right)$ days
 (C) $\left(\frac{m+n}{mn}\right)$ days (D) $\left(\frac{mn}{m+n}\right)$ days

SPACE FOR ROUGH WORK

139. From a point P on the ground the angle of elevation of the top of a 10 m tall building is 30° . A flag is hoisted at the top of the building and the angle of elevation of the top of the flagstaff from P is 45° . Find the length of the flagstaff. (Take $\sqrt{3} = 1.732$)
- (A) $10(\sqrt{3} + 2)$ m
 (B) $10(\sqrt{3} + 1)$ m
 (C) $10\sqrt{3}$
 (D) 7.32 m

140. The value of $\frac{1}{\sqrt{2}} \sin \frac{\pi}{6} \cos \frac{\pi}{4} - \cot \frac{\pi}{3} \sec \frac{\pi}{6} + \frac{5 \tan \frac{\pi}{4}}{12 \sin \frac{\pi}{2}}$ is equal to
- (A) 0 (B) 1 (C) 2 (D) $\frac{3}{2}$

141. If $\sin \theta = \frac{3}{5}$, then the value of $\frac{\tan \theta + \cos \theta}{\cot \theta + \operatorname{cosec} \theta}$ is equal to
- (A) $\frac{29}{60}$ (B) $\frac{31}{60}$
 (C) $\frac{34}{60}$ (D) $\frac{37}{60}$

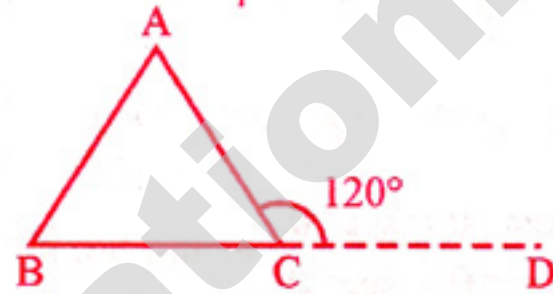
142. If $a \cos \theta + b \sin \theta = p$ and $a \sin \theta - b \cos \theta = q$, then the relation between a, b, p & q is
- (A) $a^2 - b^2 = p^2 - q^2$
 (B) $a^2 + b^2 = p^2 + q^2$
 (C) $a + b = p + q$
 (D) $a - b = p - q$

143. 60 students were asked to choose their favourite sport. Their distribution is as follows :

Football – 15
 Cricket – 12
 Swimming – 12
 Basketball – 11
 Athletics – 10

The data is illustrated in a Pie Chart. What angle should be used for football ?

- (A) 15° (B) 60° (C) 90° (D) 180°
144. If in a triangle ABC as drawn in the figure, $AB = AC$ and $\angle ACD = 120^\circ$, then $\angle A$ is equal to



- (A) 50° (B) 60° (C) 70° (D) 80°

Study the graph and answer Question Nos. 145 to 150 :



145. In which year the sale of cool-sip is minimum ?
- (A) 1990
 (B) 1992
 (C) 1993
 (D) None of the above

SPACE FOR ROUGH WORK

146. In case of which soft drink was the average annual sale maximum during the period 1988 – 1993 ?
 (A) Pep-up only
 (B) Pep-up and Dew-drop
 (C) Cool-sip only
 (D) Cool-sip and Pep-up
147. What was the approximate percent drop in the sale of Pep-up in 1990 over its sale in 1989 ?
 (A) 5 (B) 14
 (C) 12 (D) 20
148. What was the approximate percent increase in sales of Cool-sip in 1990 over its sales in 1989 ?
 (A) 100 (B) 50
 (C) 171 (D) 150
149. In which year sale of Dew-drop is maximum ?
 (A) 1988 (B) 1992
 (C) 1989 (D) 1993
150. In case of which soft drink was the average annual sale minimum during the period 1988-1993 ?
 (A) Pep-up only
 (B) Cool-sip only
 (C) Dew-drop only
 (D) Dew-drop and Cool-sip

For Visually Handicapped Candidates only

144. After simplification $(2x + 5)^3 - (2x - 5)^3$ is equal to
 (A) $5(12x^2 - 25)$
 (B) $5(12x^2 + 25)$
 (C) $10(12x^2 - 25)$
 (D) $10(12x^2 + 25)$

145. $\frac{a^{-4} + a^4}{a^{-4} - a^4}$ is equal to

(A) $\frac{1 + a^8}{1 - a^8}$ (B) $\frac{1 - a^8}{1 + a^8}$
 (C) $\frac{1 + a^4}{1 - a^4}$ (D) $\frac{1 - a^4}{1 + a^4}$

146. A tape recorder is sold for ₹ 935 at a profit of 10%. What would have been the actual loss if it had been sold for ₹ 835 ?
 (A) ₹ 85 (B) ₹ 60
 (C) ₹ 15 (D) ₹ 50
147. If the side of a equilateral triangle is 24 cm; the radius of the circumcircle of that triangle is
 (A) $12\sqrt{3}$ cm (B) $10\sqrt{3}$ cm
 (C) $8\sqrt{3}$ cm (D) $6\sqrt{3}$ cm
148. If $a = \frac{3}{5}$, $b = \frac{7}{9}$ and $c = \frac{5}{7}$, then
 (A) $a < b < c$ (B) $b < c < a$
 (C) $a < c < b$ (D) $c < b < a$
149. The graph of $2x = 6$ in a straight line which is
 (A) parallel to x axis
 (B) parallel to y axis
 (C) perpendicular at origin
 (D) passing through origin
150. The difference between the interests received from two different banks on ₹ 500 for two years is ₹ 2.50. The difference between their rates is
 (A) 1% (B) .5%
 (C) 2.5% (D) .25%

SPACE FOR ROUGH WORK

Part – D

ENGLISH COMPREHENSION

Directions : In Question Nos. 151 to 155 sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it by blackening the appropriate oval [●] in the Answer Sheet.

151. When she parted _____ her parents, her eyes were full of tears.
 (A) from (B) away
 (C) off (D) with
152. He went _____ to oblige his superior.
 (A) on his way (B) out of his way
 (C) in his way (D) with his way
153. During a period of protracted illness, the sick can become infirm, _____ both the strength to work and many of the specific skills that were once possessed.
 (A) regaining (B) denying
 (C) pursuing (D) losing
154. The members of the religious sect ostracized the _____ who had abandoned their faith.
 (A) coward (B) litigant
 (C) recreant (D) suppliant
155. Would you mind _____ the suitcase, Sir?
 (A) open (B) opening
 (C) to open (D) opened

Directions : In Question Nos. 156 to 158 out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

156. Impervious
 (A) Audacious (B) Haphazard
 (C) Impenetrable (D) Illogical
157. Peruse
 (A) Overuse (B) Examine
 (C) Abuse (D) Defuse
158. Amicable
 (A) Friendly (B) Happy
 (C) Perfect (D) Joyous

Directions : In Question Nos. 159 to 161, choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

159. Desecration
 (A) Hopelessness (B) Disbelief
 (C) Veneration (D) Manifestation
160. Yield
 (A) Respond (B) Survive
 (C) Attack (D) Resist
161. Particularly
 (A) Elaborately
 (B) Generally
 (C) Comprehensively
 (D) Entirely

Directions : In Question Nos. 162 to 166, 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.

162. Indians are going places in the field of software technology.
 (A) going abroad
 (B) going to spaces
 (C) talented and successful
 (D) friendly and amicable
163. She is a person who pulls no punches.
 (A) speaks politely
 (B) speaks frankly
 (C) speaks rudely
 (D) speaks sweetly
164. For any group work to be successful, it is important that everyone is on the same page.
 (A) present for the meeting
 (B) registered for the work
 (C) willing to pay the same fees
 (D) thinks in a similar way
165. Our plan to go to London is in the air.
 (A) undecided
 (B) certain
 (C) under consideration
 (D) for approval
166. My efforts at pest control went in vain, I have to go back to the drawing board.
 (A) plan it all over again
 (B) take professional help
 (C) spend some time researching abroad
 (D) work at night

Directions : In Question Nos. 167 to 176, 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.

167. This crime makes a man liable for transportation till his life.
 (A) to transportation to life
 (B) for transportation for life
 (C) to transportation for life
 (D) No improvement.
168. I don't think many people will be able to attend the meeting tomorrow. I, but for one, have to be in Chennai.
 (A) so for one
 (B) rather for one
 (C) for one
 (D) No improvement
169. My visits to my family are a few and far between.
 (A) few and a far between
 (B) few and far between
 (C) few or far between
 (D) No improvement
170. Their friendship will not last through long time.
 (A) last through a long time
 (B) last through
 (C) last long
 (D) No improvement
171. All these articles are kept in a tin box to prevent from spoiling of damp in rainy season.
 (A) prevent them from spoiling by damp
 (B) prevent them being spoiled by damp
 (C) prevent them from spoiling of damp
 (D) No improvement
172. Your previous project was only failed because you did not persevere yourself in it.
 (A) failed only because you did not persevere.
 (B) failed only because you did not persevere for it.
 (C) only failed because you did not persevere.
 (D) No improvement

173. I had more sympathy with you, my friend.
 (A) have more sympathy
 (B) have much sympathy
 (C) had much sympathy
 (D) No improvement

174. The bank manager was given a holiday and so he resolved to go for hitch-hiking.

- (A) with hitch-hiking
 (B) for the hitch-hiking
 (C) hitch-hiking
 (D) No improvement

175. Our big iron gate jingles on its hinges as it is opened.

- (A) clangs
 (B) grates
 (C) bangs
 (D) No improvement

176. Although other parts the world 20 per cent of the farm area is owned by women, in India women own less than 7 per cent.

- (A) If in other parts of
 (B) However some parts of
 (C) While in other parts of
 (D) No improvement

Directions : In Question Nos. 177 to 183, 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.

177. Passing out of use
 (A) Adolescent (B) Reticent
 (C) Translucent (D) Obsolescent
178. A drink usually made from a mixture of one or more alcoholic drinks
 (A) Cocktail (B) Mocktail
 (C) Liquor (D) Bisque
179. Affecting or relating to cows
 (A) Feline (B) Bovine
 (C) Ovine (D) Vulpine
180. Something that might happen in the future
 (A) Contingency (B) Insurance
 (C) Emergency (D) Prophecy
181. A special fondness or liking for
 (A) Propensity (B) Inclination
 (C) Penchant (D) Preoccupation
182. Relating to kinship with the father
 (A) Patrilineal (B) Fratrilineal
 (C) Matrilineal (D) Familial
183. A part of a word that can be pronounced separately
 (A) Particle (B) Sibilant
 (C) Syllable (D) Letter

Directions : In Question Nos. 184 and 185, 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.

184. (A) Accessible (B) Akcessible
(C) Accesible (D) Accesible
185. (A) Camouflage (B) Camaflouge
(C) Cemouflege (D) Cemouflage

Directions : In Question Nos. 186 to 195, you have two brief passages with 5 questions following each passage. Read the passages carefully and choose the best answer to each question out of the four alternatives and mark it by blackening the appropriate oval [●] in the Answer Sheet.

Passage – I (Q. Nos. 186 – 190)

The Critical Faculty is the most potent one in the human make-up. Its pervasiveness and force have not properly been recognized because like breathing, it is so much a part and parcel of human activity. The difference between a simpleton and an intelligent man, according to the man who is convinced that he is of the latter category, is that the former wholeheartedly accepts all things that he sees and hears while the latter never admits anything except after a most searching scrutiny. He imagines his intelligence to be a sieve of closely woven mesh through which nothing but the finest can pass.

The critical sense is essential for keeping social transactions in a warm state. Otherwise life would become very dull and goody-goody. The critical faculty is responsible for a lot of give and take in life. It increases our awareness of our surroundings; it sounds dignified no doubt, but it seems also to mean that we can watch someone else's back better than our own! We never know our own defects till they are pointed out to us, and even then we need not accept them. We always question the *bonafides* of the man who tells us unpleasant facts. On the surface it is all very well to say, 'I want an honest criticism; that will help me, not blind compliments.' I wish people would mean it.

186. The negative side of the critical faculty is that

- (A) it makes us critical of others.
(B) it makes us critical of ourselves.
(C) it sounds dignified but it is not actually so.
(D) it is a tool for creating classificatory division.

187. People who solicit others' opinions (about themselves) generally want

- (A) effusive compliments.
(B) honest criticism.
(C) harsh facts.
(D) precise feedback.

188. The critical faculty is defined as the 'most potent one in human make-up' because

- (A) it is all pervasive and powerful.
(B) it separates the simpleton from the intelligent man.
(C) it is a help in social transactions.
(D) All of the above

189. What, according to the writer, is the essential link between breathing and the critical faculty?

- (A) Both are required in social relations
(B) Both are exercised by human beings
(C) Both grow with age
(D) Both stop with death

190. The self-defined intelligent man defines himself on the basis of

- (A) his obvious divergence from the simpleton.
(B) his superior intelligence as a whole.
(C) his possession of the critical faculty.
(D) his heightened awareness of his surroundings.

Passage – II (Q. Nos. 191 – 195)

International trade represents a significant share of Gross Domestic Product (GDP). While international trade has been present throughout much of history, its economic, social and political importance has been on the rise in recent centuries.

Industrialization, advances in technology, transportation, globalization, multinational corporations, and outsourcing are all having a major impact on the international trade system. Increasing international trade is crucial to the continuance of globalization. International trade is, in principle, not different from domestic as the motivation and the behaviour of parties involved in a trade do not change fundamentally regardless of whether trade is across a border or not. The main difference is that international trade is typically more costly than domestic trade. Another difference between domestic and international trade is that factors of production such as capital and labour are typically more mobile within a country than across countries.

191. Which of the following is one of the factors of production ?
 (A) Capital (B) Cost
 (C) Profit (D) Loss
192. What is the synonym of 'mobile' ?
 (A) Versatile (B) Moveable
 (C) Changeable (D) Transferable
193. Which one of the following has a major impact on international trade ?
 (A) Contribution to GDP
 (B) Industrialization
 (C) Outsourcing
 (D) Domestic trade
194. According to the author, increasing international trade
 (A) brings about speedy industrialization.
 (B) uplifts technology and transportation.
 (C) is crucial to the continuance of globalization.
 (D) encourages multinational corporations.
195. What is the main difference between international and domestic trade ?
 (A) One is more significant than the other
 (B) One is more costly than the other
 (C) One is more advanced than the other
 (D) One is more crucial than the other

Directions : In Question Nos. 196 to 200, 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.

196. A chill wind blew /
 (A) and icy fingers of death /
 (B) crept up my spine. / No error
 (C) (D)
197. Such rules / do not apply to /
 (A) (B) you and I. / No error
 (C) (D)
198. The river / has overflowed / its banks. /
 (A) (B) (C) No error
 (D)
199. IIM Calcutta's MBA programme /
 (A) is regarded / as the finest in the
 (B) (C) country. / No error
 (D)
200. One of the most / widely spread /
 (A) (B) bad habit is the use of tobacco. /
 (C) No error
 (D)