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

Test Form No.
टेस्ट फॉर्म संख्या
567 MK 8

AB-2014

AB -

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

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

    Part-I : General Intelligence (50 Questions)
    Part-II : English Language (50 Questions)
    Part-III : Quantitative Aptitude (50 Questions)
    Part-IV : General Awareness (50 Questions)

2. In questions set bilingually in English and Hindi language, in case of discrepancy, the English version will prevail.

3. All questions are compulsory and carry equal marks.

4. *The paper carries negative marking. 0.25 marks will be deducted for each wrong answer.*

5. Before you start to answer the questions you must check up this Booklet and ensure that it contains all the pages (1-32) and see that no page is missing or repeated. If you find any defect in this Booklet, you must get it replaced *immediately*.

6. You will be supplied the Answer-Sheet separately by the Invigilator. You must complete and code the details of *Name, Roll Number, Ticket Number and Test Form Number* on Side-1 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 will be 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.)

7. Answers must be shown by completely blackening the corresponding ovals on Side-II of the Answer-Sheet against the relevant question number by **Black/Blue Ball Point Pen** only. Answers which are not shown by Black/Blue Ball-point Pen will not be awarded any mark.

8. A machine will read the coded information in the OMR Answer-Sheet. In case the information is incomplete/different from the information given in the application form, such candidate will be awarded 'ZERO' mark.

9. The Answer-Sheet must be handed over to the Invigilator before you leave the Examination-Hall.

10. Failure to comply with any of the above instructions will render a candidate liable to such action / penalty as may be deemed fit.

11. The manner in which the different questions are to be answered has been explained at the back of this Booklet (Page No. 32), which you should read carefully before actually answering the questions.

12. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.

13. In lieu of Question Nos. 42 to 50 and 142 to 150, relating to figural portions, alternate questions have been provided to be attempted by V.H. candidates only.

14. No rough work is to be done on the Answer-Sheet. Space for rough work has been provided below the questions in Part I and Part III of this Booklet.

15. *"Mobile phones and wireless communication devices are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature."*

उम्मीदवारों के लिए अनुदेश

1. इस पुस्तिका में कुल 200 प्रश्न हैं जिनमें निम्नलिखित चार भाग शामिल हैं :

    भाग-I : सामान्य बुद्धिमत्ता (50 प्रश्न)
    भाग-II : अंग्रेजी भाषा (50 प्रश्न)
    भाग-III : संख्यात्मक अभिरुचि (50 प्रश्न)
    भाग-IV : सामान्य जानकारी (50 प्रश्न)

2. अंग्रेजी और हिन्दी भाषा में तैयार किए गए द्विभाषी प्रश्न में कोई विसंगति होने की स्थिति में अंग्रेजी विवरण मान्य होगा ।

3. सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं ।

4. प्रश्न पत्र में नकारात्मक अंकन होगा । हर गलत उत्तर के लिए 0.25 अंक काटा जाएगा ।

5. प्रश्नों के उत्तर देने से पहले आप इस पुस्तिका की जाँच कर 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. निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जायगी । उत्तर-पत्रिका के Side-I में नियमावली के अनुसार ध्यानपूर्वक अपना नाम, रोल नम्बर, टिकट नम्बर और टेस्ट फॉर्म संख्या अवश्य लिखें । प्रश्न 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 पूरी तरह अनुपालन किया जाए अन्यथा आपकी उत्तर-पत्रिका की जाँच नहीं जाएगी 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 बायें 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 ।)

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 जाएंगे, उनके लिए कोई अंक नहीं दिया जाएगा ।

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. परीक्षा-भवन छोड़ने से पहले परीक्षार्थी को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए ।

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. विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे (पृष्ठ संख्या 32) में छपे हुए निर्देशों में दी गई है; इसे आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें ।

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. आकृति से सम्बन्धित प्रश्न संख्या 42 से 50 एवं 142 से 150 के बदले में केवल दृष्टिबाधित उम्मीदवारों द्वारा हल किए जाने के लिए वैकल्पिक प्रश्न दिया गया है ।

14. कोई रफ कार्य उत्तर-पत्रिका पर नहीं करना है । रफ कार्य के लिए स्थान भाग I और भाग III में प्रश्नों के नीचे दिया गया है ।

15. "परीक्षा हालों/कमरों में मोबाइल फोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं । उम्मीदवारों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फोन/किसी अन्य बेतार संचार साधन को स्विच ऑफ करके भी अपने पास न रखें । इस प्रावधान का अनुपालन न करने पर परीक्षा में अनुचित उपायों का प्रयोग माना जाएगा और उनके विरुद्ध कार्यवाई की जाएगी, उनकी अभ्यर्थिता रद्द कर देने सहित ।"

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

Part – I
GENERAL INTELLIGENCE

1. Looking at the portrait of a man, Ram said, "His mother is the wife of my father's son. Brothers and sisters I have none". Whose portrait was Ram looking at ?
   (A) His grandfather
   (B) His son
   (C) His brother
   (D) His cousin

2. From the given alternatives, select the word which cannot be formed using the letters of the given word.
   ROTARYBLUES
   (A) STARY   (B) LOTUS
   (C) TABLET   (D) BUTLER

3. In a certain code, if AUDITORIUM is written as MUIROTIDUA, how will MISFORTUNE be written in that code ?
   (A) ENUTROFSIM
   (B) ENUTROMISF
   (C) TUNEROFSIM
   (D) TUNEMISFOR

4. If TODAY is coded as UQECZ, how can BEFORE be coded ?
   (A) CCBHIG   (B) HIJQSG
   (C) CGGQSG   (D) CPSSF

5. A bus driver wants to travel a distance of 200 km. He travels with the speed of 40 km/hr. He takes rest at 3 different hotels for 15 minutes, 30 minutes and 15 minutes respectively. He starts his journey at 9.00 a.m. At what time does he reach his final destination ?
   (A) 3.00 a.m.   (B) 3.00 p.m.
   (C) 3.30 a.m.   (D) 2.30 p.m.

Directions : In Question Nos. **6** and **7**, find the missing number from the given responses.

6.
2	4	5	3
3 3	3	6 ? 6	
1	2	1	6

   (A) 5   (B) 2   (C) 3   (D) 1

7. 18   20   8
   16   20   18   22   9   ?
   (A) 6   (B) 7   (C) 10   (D) 11

8. In a code language the following alphabets are coded in a particular way :
   A B C D E F G H I O P R S T U
   ┼ | ‖ ╫ ╪ ╬ ╫╫ ‖| / ╫╫ ∨ ∧ < > \
   Which word can be decoded from the following ?
   | ╫╫ ┼ < >
   (A) BOAST   (B) TOAST
   (C) GHOST   (D) TASTE

9. After interchanging ÷ and ×, 10 and 5, which one of the following becomes a correct equation ?
   (A) $(30 \div 5) \times 10 = 24$
   (B) $(30 \times 10) \div 5 = 60$
   (C) $(30 \div 10) \times 5 = 18$
   (D) $(10 \div 30) \times 5 = 70$

10. Find out the numbers that would fit in the second row and third row middle and last blank boxes respectively.
18	23	16
17	19	?
22	?	?

    (A) 26, 24, 25   (B) 15, 21, 20
    (C) 21, 15, 20   (D) 25, 24, 26

SPACE FOR ROUGH WORK

11. Joel and Tom were travelling from town X to town Y which was 210 km apart. Joel set off 1 hr 15 min later than Tom but arrived 15 min earlier. If the average speed of Tom was 42 km/h, find the average speed of Joel.

(A) 50 km/h   (B) 60 km/h

(C) 65 km/h   (D) 70 km/h

12. Ram walks 2 km to the East, then he turns to South and walks 6 km. He again turns to East and walks 2 km. Then he turns to North and walks 12 km. How far is he from the starting point ?

(A) 7 km   (B) 7.1 km

(C) 7.2 km   (D) 7.3 km

Directions : In Question Nos. **13 & 14,** two statements are given followed by four/two conclusions I, II, III & IV. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

13. **Statements :** (A) All men are employed.

(B) No employees are professionals.

Conclusions : I. No men are unemployed.

II. No men are professionals.

(A) Only I follows.

(B) Only II follows.

(C) Neither I nor II follows.

(D) Both I and II follow.

14. **Statements :** (A) All books are trees.

(B) All trees are lions.

Conclusions : I. All books are lions.

II. All lions are books.

III. All trees are books.

IV. Some lions are books.

(A) Only II and III follow.

(B) Only I and IV follow.

(C) None of the conclusions follows.

(D) All conclusions follow.

Directions : In Question Nos. 15 to 23, select the related letter/word/number from the given alternatives.

15. Moon : Chandrayan :: Mars : ?

(A) Apple   (B) Aryabhata

(C) Mangalyan   (D) Bhaskara

16. Germany : Mark : : Morocco : ?

(A) Dollar   (B) Lira

(C) Dirham   (D) Kroon

17. LJHF : USQO : : QOMK : ?

(A) QPSR   (B) PNMK

(C) VTRP   (D) YXWU

18. COUNTRY : FRXQWUB : : EXAMINE : ?

(A) HAPDLQH   (B) HADPLQH

(C) HAHPLDQ   (D) GBQDVWB

19. 3 : 11 : : 7 : ?

(A) 22   (B) 29

(C) 51   (D) 18

20. 6 : 18 : : 4 : ?

(A) 2   (B) 6

(C) 8   (D) 16

21. Red Blood Cells : Erythrocytes : : White Blood Cells : ?

(A) Thrombocytes

(B) Lymphocytes

(C) Monocytes

(D) Leucocytes

SPACE FOR ROUGH WORK

22. If BAT = CBU, CAT = D B
    (A) DBU
    (B) BUD
    (C) DBV
    (D) None of the above

23. 7 : 56 : : 9 : ?
    (A) 63   (B) 81
    (C) 90   (D) 99

Directions : In Question Nos. **24 to 30**, find the odd number/letters/number pair from the given alternatives.

24. (A) Anther   (B) Retina
    (C) Ovary   (D) Petal

25. (A) Hill Myna
    (B) House Sparrow
    (C) Emerald Dove
    (D) Imperial Eagle

26. (A) DEFY   (B) HINT
    (C) MOST   (D) SUVY

27. (A) JLOS   (B) GHIM
    (C) HJMQ   (D) PRUY

28. (A) 24 (B) 28 (C) 42 (D) 56

29. (A) 1, 2, 4, 8   (B) 2, 6, 10, 14
    (C) 3, 9, 15, 21   (D) 7, 21, 35, 49

30. (A) Appreciate   (B) Admonish
    (C) Applaud   (D) Admire

31. Which is odd one ?
    (A) BGIE   (B) AGHB
    (C) DJGE   (D) AGKD

32. How many 8's followed by an even number and preceded by an odd number ?
    7, 8, 5, 6, 7, 8, 4, 3, 2, 1, 3, 8, 6, 4, 3, 7, 8, 4, 2, 1, 3, 8, 2, 8, 9
    (A) 4 (B) 3 (C) 2 (D) 5

Directions : In Question Nos. **33 to 35**, which one of the given responses would be a meaningful order of the following ?

33. Diagnosis, Post operational care, Operation, Discharge
    (A) Discharge, Operation, Diagnosis, Post operational care
    (B) Operation, Diagnosis, Discharge, Post operational care
    (C) Diagnosis, Operation, Post operational care, Discharge
    (D) Post operational care, Discharge, Operation, Diagnosis

34. 1. Serve   2. Vegetable
    3. Package   4. Prepare
    5. Store   6. Cut
    (A) 2, 4, 6, 5, 3, 1   (B) 6, 4, 5, 1, 3, 2
    (C) 2, 6, 4, 3, 5, 1   (D) 6, 4, 5, 1, 2, 3

35. 1. Crawling   2. Sitting
    3. Running   4. Standing
    5. Walking
    (A) 1 2 4 3 5   (B) 1 4 5 2 3
    (C) 1 2 4 5 3   (D) 1 4 2 5 3

Directions : In Question Nos. **36 to 39**, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

36. 3, 6, 8, 16, 18, ?
    (A) 28 (B) 34 (C) 36 (D) 54

37. 17, 13, 11, 7, 5, ?
    (A) 0 (B) 1 (C) 2 (D) 3

38. 4, 9, 19, 39, ?
    (A) 49 (B) 59 (C) 79 (D) 89

39. Z, U, Q, ?, L
    (A) I (B) K (C) M (D) N

SPACE FOR ROUGH WORK

Directions : In Question Nos. **40 & 41,** which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

40. aa_ b a _b_ a abaa
    (A) abab   (B) baab
    (C) baba   (D) abba
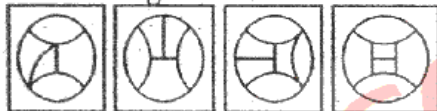
41. gfe _ ig _ eii _ fei _ gf_ ii
    (A) eifgi   (B) figie
    (C) ifgie   (D) ifige

42. Among the four answer figures, which figure can be formed from the cut-pieces given below in the question figure ?
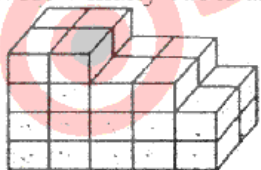   **Question Figure :**
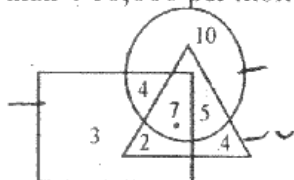
    Answer Figures :

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

43. Few cubes are arranged as shown in the figure. How many cubes are unseen ?
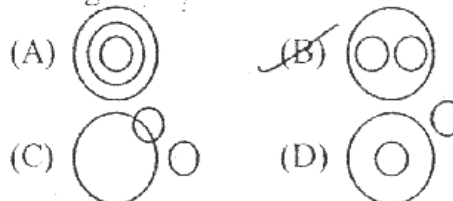
    (A) 8   (B) 10   (C) 12   (D) 14

44. In the figure, circle represents business people, triangle the educated persons and the rectangle stands for persons with income more than ₹ 10,000 per month. The number standing for educated business people with income more than ₹ 10,000 per month is
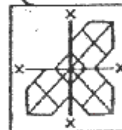
    (A) 7   (B) 10   (C) 3   (D) 4

45. Which one of the following diagrams represents the correct relationship among Table, Chair and Furniture ?

    (A)   (B)

    (C)   (D)

46. Which answer figure will complete the question figure ?
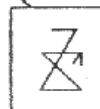   **Question Figure :**

    Answer Figures :

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

47. From the given answer figures, select the one in which the question-figure is hidden/embedded.
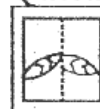   **Question Figure :**

    Answer Figures :

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

48. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.
    Question Figure :

    Answer Figures :

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

SPACE FOR ROUGH WORK

49. Which of the answer figure is exactly mirror image of given figure ?

Question Figure :

654 -

Answer Figures :

9S⊅   �2ᵭ   456   654
(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., 'P' can be represented by 12, 24 etc., and 'O' can be represented by 57, 68 etc. Similarly, you have to identify the set for the word given in the question.

WARD

Matrix – I

	0	1	2	3	4
0	P	K	E	A	S
1	A	S	P	K	E
2	K	E	A	S	P
3	S	P	K	E	A
4	E	A	S	P	K

Matrix – II

	5	6	7	8	9
5	R	D	O	W	C
6	W	C	R	D	O
7	D	O	W	C	R
8	C	R	D	O	W
9	O	W	C	R	D

(A) 58, 10, 67, 75   (B) 77, 22, 67, 88
(C) 96, 42, 79, 87   (D) 89, 34, 86, 96

FOR VISUALLY HANDICAPPED CANDIDATES ONLY

Directions : In Question Nos. **42** to **44**, select the related letter/word/number from the given alternatives.

42. Frog : Amphibian :: Whale : ?
(A) Fish   (B) Reptile
(C) Amphibian   (D) Mammal

43. Giant : Dwarf : : Genius : ?
(A) Wicked   (B) Gifted
(C) Idiot   (D) Short

44. 20 : 6 : : 40 : ?
(A) 10   (B) 14   (C) 8   (D) 12

Directions : In Question Nos. **45** to **47**, find the odd number/letters/number pair from the given alternatives.

45. (A) Phi   (B) Gamma
(C) Delta   (D) Peso

46. (A) Contact lens (B) Spectacles
(C) Microphone (D) Binoculars

47. (A) 121 : 341 (B) 183 : 392
(C) 235 : 427 (D) 289 : 501

Directions : In Question Nos. **48** to **50**, find the missing term of the series from the given responses.

48. B, F, K, ? , X
(A) P   (B) Q   (C) R   (D) S

49. 10, 18, 28, 40, 54, 70, ?
(A) 85 (B) 86 (C) 87 (D) 88

50. LMPS, VWZC, FGJM, ?
(A) MNQS   (B) OPRT
(C) PQTW   (D) QTWX

SPACE FOR ROUGH WORK

Part – II
ENGLISH LANGUAGE

Directions : In Question Nos. 51 to 55, choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

51. Paucity
    (A) Paragon   (B) Pronounce
    (C) Plethora   (D) Persuade

52. Hostile
    (A) Joyful   (B) Helpful
    (C) Friendly   (D) Violent

53. Effeminate
    (A) Feminine
    (B) Androgynous
    (C) Soft
    (D) Manly

54. Reprimanded
    (A) Rebuked   (B) Praised
    (C) Admonished   (D) Shouted

55. Equilibrium
    (A) Composure   (B) Imbalance
    (C) Stability   (D) Inequality

Directions : In Question Nos. 56 to 60, out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

56. Epidemic
    (A) Endemic   (B) Local
    (C) Widespread   (D) Natural

57. Quicken
    (A) Accelerate   (B) Delay
    (C) Hinder   (D) Stop

58. Transient
    (A) Temporary   (B) Durable
    (C) Timely   (D) Transparent

59. Compensate
    (A) Compile
    (B) Make up for
    (C) Result in
    (D) Complete

60. Retaliate
    (A) Pardon   (B) Corrupt
    (C) Avenge   (D) Rejoice

Directions : In Question Nos. 61 to 65, 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.

61. I want to tell you in a nut shell, lust for money and power ruined her life.
    (A) to tell as objectively as possible
    (B) confidentially
    (C) in detail
    (D) in a brief manner

62. Deepak did not care for his family, he wanted to gather roses only.
    (A) to save money miserly
    (B) to paint a rosy picture of the past
    (C) to seek all enjoyments of life
    (D) to obtain fame by hardwork

63. A close-fisted person
    (A) A powerful person
    (B) A miser
    (C) A close friend
    (D) A cowardly person

64. <u>To feather one's nest</u>
(A) To harbour ill feelings
(B) To build one's house
(C) To enrich oneself when opportunity occurs
(D) To get something in abundance

65. Our school is <u>within a stone's throw</u> of the railway station.
(A) within a certain radius
(B) very far off
(C) at a short distance
(D) within a definite distance

Directions : In Question Nos. 66 to 70, 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.

66. They presented him <u>a beautiful expensive designer gold</u> pen.
(A) an expensive designer beautiful gold
(B) a beautiful gold expensive designer
(C) a designer gold beautiful expensive
(D) No improvement

67. Hitler was an absolute <u>potentate</u>.
(A) dictator
(B) militant
(C) ruler
(D) No improvement

68. <u>Having completion of</u> the course, the students left college.
(A) On completion of
(B) In order to complete
(C) Down the completion
(D) No improvement

69. <u>Will you please give me a warm glass of water ?</u>
(A) Will you please give me a glass of warm water ?
(B) Will you please give I a warm glass of water ?
(C) Would you please give I a warm glass of water ?
(D) No improvement

70. Boil the potatoes and then <u>crush it until soft</u>.
(A) smash it
(B) knead it
(C) mash it
(D) No improvement

Directions : In Question Nos. 71 to 75, out of the four alternatives, choose the one which can be substituted for the given words/sentence.

71. A fictitious name especially one assumed by an author
(A) Nick name   (B) Pseudonym
(C) Sobriquet   (D) Pet name

72. Animals which <u>suckle</u> their young
(A) Herbivores   (B) Mammals
(C) Carnivores   (D) Omnivores

73. A drug or other substance that induces sleep
(A) Reviver   (B) Stimulant
(C) Energic   (D) Sedative

74. A speech delivered without any preparation
(A) Temporary   (B) Exemplary
(C) Extempore   (D) Contemporary

75. Animals that eat flesh
(A) Herbivorous   (B) Carnivorous
(C) Omnivorous   (D) Insectivorous

Directions : In Question Nos. 76 to 80, 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.

76. (A) Bilieve   (B) Beleive
     (C) Believe   (D) Beleeve

77. (A) Planeing   (B) Planning
     (C) Planing   (D) Planinng

78. (A) Ubiqutous   (B) Ubequitous
     (C) Ubiquitous   (D) Ubequitus

79. (A) Exenerate   (B) Exonerate
     (C) Exanrate   (D) Exonarate

80. (A) Noticible   (B) Noticeible
     (C) Noticable   (D) Noticeable

Directions : In Question Nos. 81 to 90, in the following passage some of the words have been left out. Read the passage carefully and choose the correct answer to each question out of the four alternatives and fill in the blanks.

No child is __81__ spoilt child by birth. It is __82__ family conditions and circumstances __83__ which a child grows up · __84__ spoil him. It is common experience that a __85__ wanted child or the only child __86__ his parents is more prone to __87__ spoilt. Such a child becomes arrogant and insolent __88__ of the overindulgence and over-protection of the parents. Sometimes it __89__ seen that a __90__ child also tends to become a nuisance.

81. (A) them   (B) the
     (C) a   (D) an

82. (A) a   (B) the
     (C) an   (D) them

83. (A) at
     (B) on
     (C) over
     (D) under

84. (A) those
     (B) this
     (C) that
     (D) these

85. (A) much   (B) more
     (C) little   (D) less

86. (A) off   (B) for
     (C) of   (D) in

87. (A) become
     (B) becoming
     (C) becomes
     (D) became

88. (A) so
     (B) and
     (C) why
     (D) because

89. (A) is   (B) are
     (C) was   (D) were

90. (A) neglect
     (B) neglected
     (C) neglects
     (D) neglecting

Directions : In Question Nos. 91 to 95, 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 errors, blacken the oval corresponding to (D) in the Answer Sheet.

91. One of my friends / are / (A)   (B)
    an I.A.S. officer. / No error
    (C)   (D)

92. Paradise Lost / is / a epic poem. /
    (A)   (B)   (C)
    No error
    (D)

93. After toiling very hardly /
    (A)
    over a long period of time /
    (B)
    he found that he had met no profit at all. /
    (C)
    No error
    (D)

94. Excuse / me / interrupting you. /
    (A)   (B)   (C)
    No error
    (D)

95. At this time of the year /
    (A)
    the mountains are /
    (B)
    usually covered with ice. / No error
    (C)   (D)

Directions : In Question Nos. 96 to 100, 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.

96. Due to heavy rains, water had _____ in the low lying areas.
    (A) gathered   (B) stagnated
    (C) assembled   (D) entered

97. This man was an accomplice _____ the thief.
    (A) of   (B) in
    (C) with   (D) from

98. The sick units are detached _____ the main group of companies.
    (A) off   (B) from
    (C) with   (D) by

99. Let me congratulate you _____ your success.
    (A) at   (B) for
    (C) with   (D) on

100. She had always hoped that her daughter would become _____ doctor.
    (A) an
    (B) the
    (C) a
    (D) none of the above

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  http://sscportal.in/community/study-kit/cgl

- **Study Kit for SSC Combined Graduate Level Examination (Tier - II)**
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113. If $a + b = 12$, $ab = 22$, then $(a^2 + b^2)$ is equal to
(A) 188 (B) 144 (C) 34 (D) 100

114. Length of a side of a square inscribed in a circle is $a\sqrt{2}$ units. The circumference of the circle is
(A) $2\pi a$ units (B) πa units
(C) $4\pi a$ units (D) $\dfrac{2a}{\pi}$ units

115. The sides of a rhombus are 10 cm each and a diagonal measures 16 cm. Area of the rhombus is
(A) 96 sq. cm. (B) 160 sq. cm.
(C) 100 sq. cm. (D) 40 sq. cm.

116. The diameter of the front wheel of an engine is $2x$ cm and that of rear wheel is $2y$ cm. To cover the same distance, find the number of times the rear wheel will revolve when the front wheel revolves 'n' times.
(A) $\dfrac{n}{xy}$ times (B) $\dfrac{yn}{x}$ times
(C) $\dfrac{nx}{y}$ times (D) $\dfrac{xy}{n}$ times

117. The length, breadth and height of a cuboid are in the ratio $3 : 4 : 6$ and its volume is 576 cm^3. The whole surface of the cuboid is
(A) 216 cm^2 (B) 324 cm^2
(C) 432 cm^2 (D) 460 cm^2

118. The perimeter and length of a rectangle are 40 m and 12 m respectively. Its breadth will be
(A) 10 m (B) 8 m (C) 6 m (D) 3 m

119. If $(x - 2)$ is a factor of $x^2 + 3Qx - 2Q$, then the value of Q is
(A) 2 (B) –2 (C) 1 (D) –1

120. If PA and PB are two tangents to a circle with centre O such that $\angle AOB = 110°$, then $\angle APB$ is
(A) 90° (B) 70° (C) 60° (D) 55°

121. In $\triangle ABC$, two points D and E are taken on the lines AB and BC respectively in such a way that AC is parallel to DE. Then $\triangle ABC$ and $\triangle DBE$ are
(A) similar only if D lies outside the line segment AB
(B) congruent only if D lies outside the line segment AB
(C) always similar
(D) always congruent

122. The internal bisectors of the angles B and C of a triangle ABC meet at I. If $\angle BIC = \dfrac{\angle A}{2} + X$, then X is equal to
(A) 60° (B) 30° (C) 90° (D) 45°

123. In a $\triangle ABC$, the medians AD, BE and CF meet at G, then which of the following is true ?
(A) $AD + BE + CF > \dfrac{1}{2}(AB + BC + AC)$
(B) $2(AD + BE + CF) > (AB + BC + AC)$
(C) $3(AD + BE + CF) > 4(AB + BC + AC)$
(D) $4(AD + BE + CF) > 3(AB + BC + AC)$

124. ST is a tangent to the circle at P and QR is a diameter of the circle. If $\angle RPT = 50°$, then the value of $\angle SPQ$ is
(A) 40° (B) 60° (C) 80° (D) 100°

SPACE FOR ROUGH WORK

125. The greatest number that will divide 729 and 901 leaving remainders 9 and 5 respectively, is
(A) 15   (B) 16 (C) 19 (D) 20

126. On simplification,

$$\left(1-\frac{1}{2}\right)\left(1-\frac{1}{3}\right)\left(1-\frac{1}{4}\right)\cdots\cdots\left(1-\frac{1}{n}\right)$$

is equal to

(A) $\dfrac{1}{n}$ (B) $\dfrac{2}{n}$

(C) $\dfrac{2(n-1)}{n}$ (D) $\dfrac{1}{n(n-1)}$

127. Find the sum of first five terms of the following series :

$$\frac{1}{1\times4}+\frac{1}{4\times7}+\frac{1}{7\times10}+\cdots\cdots+$$

$$\cdots\cdots$$

(A) $\dfrac{9}{32}$ (B) $\dfrac{7}{16}$ (C) $\dfrac{5}{16}$ (D) $\dfrac{1}{210}$

128. 5349 is added to 3957. Then 7062 is subtracted from the sum. The result is not divisible by
(A) 4   (B) 3   (C) 7   (D) 11

129. How many men need to be employed to complete a job in 5 days, if 15 men can complete $\frac{1}{3}$ of the job in 7 days ?

(A) 20   (B) 21 (C) 45 (D) 63

130. The product of all the prime numbers between 80 and 90 is
(A) 83   (B) 89
(C) 7387   (D) 598347

131. In a regular polygon if one of its internal angle is greater than the external angle by 132°, then the number of sides of the polygon is
(A) 14   (B) 12 (C) 15 (D) 16

132. If V_1, V_2 and V_3 be the volumes of a right circular cone, a sphere and a right circular cylinder having the same radius and same height, then

(A) $V_1=\dfrac{V_2}{2}=\dfrac{V_3}{3}$ (B) $\dfrac{V_1}{2}=\dfrac{V_2}{3}=V_3$

(C) $\dfrac{V_1}{3}=\dfrac{V_2}{2}=V_3$ (D) $\dfrac{V_1}{3}=V_2=\dfrac{V_3}{2}$

133. Successive discounts of 15% and 20% amount to a single discount of
(A) 35%   (B) 32%
(C) 30%   (D) 28%

134. The marked price of an article is 10% higher than the cost price. A discount of 10% is given on the marked price. In this kind of sale, the seller bears
(A) no loss, no gain (B) a loss of 5%
(C) a gain of 1%   (D) a loss of 1%

135. The ratio of the length of a school ground to its width is 5 : 2. If the width is 40 m, then the length is
(A) 200 m   (B) 100 m
(C) 50 m   (D) 80 m

136. If 7 men working 7 hrs a day for each of 7 days produce 7 units of work, then the units of work produced by 5 men working 5 hrs a day for each of 5 days is
(A) $\dfrac{25}{343}$ (B) $\dfrac{125}{49}$ (C) $\dfrac{49}{125}$ (D) $\dfrac{343}{25}$

SPACE FOR ROUGH WORK

137. If $\cos^2\alpha - \sin^2\alpha = \tan^2\beta$, then the value of $\cos^2\beta - \sin^2\beta$ is
(A) $\cot^2\alpha$ (B) $\cot^2\beta$
(C) $\tan^2\alpha$ (D) $\tan^2\beta$

138. If $\sqrt{3}\tan\theta = 3\sin\theta$, then the value of $(\sin^2\theta - \cos^2\theta)$ is
(A) 1   (B) 3   (C) $\frac{1}{3}$ (D) none

139. If $\sin(A + B) = \sin A \cos B + \cos A \sin B$, then the value of $\sin 75°$ is
(A) $\dfrac{\sqrt{3}+1}{\sqrt{2}}$ (B) $\dfrac{\sqrt{2}+1}{2\sqrt{2}}$
(C) $\dfrac{\sqrt{3}+1}{2\sqrt{2}}$ (D) $\dfrac{\sqrt{3}+1}{2}$

140. ABC is a right angled triangle, right angled at B and $\angle A = 60°$ and AB = 20 cm, then the ratio of sides BC and CA is
(A) $\sqrt{3} : 1$ (B) $1 : \sqrt{3}$
(C) $\sqrt{3} : \sqrt{2}$ (D) $\sqrt{3} : 2$

141. If $\tan 2\theta \cdot \tan 3\theta = 1$, where $0° < \theta < 90°$, then the value of θ is
(A) $22\frac{1}{2}°$ (B) $18°$ (C) $24°$ (D) $30°$

Directions : Study the following table and answer the questions **142 to 145 :**
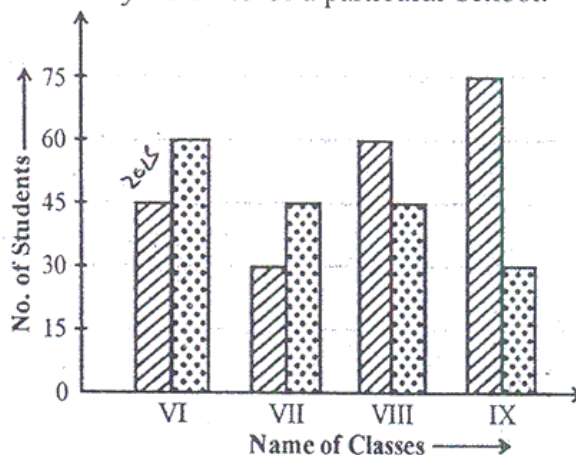**Population of a locality from 1988 to 1992**

Year	Men	Women	Children	Total	Increase (+) or decrease (–) over preceding year
1988	65104	60387	–	146947	–
1989	70391	62516	–	–	+ (11630)
1990	–	63143	20314	153922	–
1991	69395	–	21560	–	–(5337)
1992	71274	65935	23789	160998	–

142. The number of children in 1988 is
(A) 31236   (B) 125491
(C) 14546   (D) 21456

143. The total population in 1989 is
(A) 144537   (B) 158577
(C) 146947   (D) 149637

144. Number of children in 1989 is
(A) 25670   (B) 14040
(C) 13970   (D) 15702

145. Number of women in 1991 is
(A) 57630   (B) 56740
(C) 52297   (D) 62957

Directions : Study the double bar graph given below and answer question Nos. **146 to 150 :**

▨ : No. of students participating in the school exhibition in the year 2013 of a particular school.

▦ : No. of students participating in the cultural events of school in the year 2013 of a particular school.

146. The class having maximum numbers of participants in exhibition is
(A) Class IX   (B) Class VIII
(C) Class VII   (D) Class VI

SPACE FOR ROUGH WORK

147. The average of the number of students participating in cultural events is
(A) 48.75 (B) 52.5 (C) 45 (D) 50

148. The average of the number of students participating in exhibition is
(A) 48.75 (B) 52.5 (C) 45 (D) 50

149. The ratio of the participants in exhibition of class IX with the total participants of class IX is
(A) 5 : 7   (B) 5 : 14
(C) 1 : 4   (D) 3 : 5

150. The percentage of students of class VIII participating in cultural event out of total participants of cultural event is
(A) 30% (B) 25% (C) 35% (D) 40%

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142. If $a + \dfrac{1}{a} = 2$, then the value of $\dfrac{5a^2 + 5}{3a^2 + 9a + 3}$ is
(A) $\dfrac{2}{3}$ (B) 0   (C) $\dfrac{1}{3}$ (D) 1

143. If $(5x - 1)(px + 1)$ and $3p(3x - 1)$ are equal when $x = 1$, then the value of p is
(A) 2   (B) −1   (C) 0   (D) 1

144. If the sum of all internal angles and sum of all external angles of a regular polygon are equal, then the number of sides of the polygon is
(A) 7   (B) 6   (C) 5   (D) 4

145. The value of $\cos^2 20° + \cos^2 70°$ is
(A) 1   (B) 0   (C) 2   (D) 3

146. The value of $\dfrac{2 \tan 30°}{1 - \tan^2 30°}$
(A) $\dfrac{1}{\sqrt{3}}$ (B) $\dfrac{2}{\sqrt{3}}$
(C) $2\sqrt{3}$ (D) $\sqrt{3}$

147. What is the simplest value of $\dfrac{\sqrt{.0121} \times \sqrt{.0225}}{\sqrt{.09}}$?
(A) 0.50   (B) 0.55
(C) 0.055   (D) 0.05

148. Two numbers are in the ratio of 5 : 8. If 12 be added to each, then they are in the ratio of 3 : 4. The value of the first number is
(A) 20   (B) 15 (C) 10 (D) 5

149. A sum is invested at compound interest payable annually. The interest in two successive years was ₹ 900 and ₹ 981. Find the sum.
(A) ₹ 9,000   (B) ₹ 9,100
(C) ₹ 9,900   (D) ₹ 10,000

150. Mr. X was given an increment of 25% on his salary. His new salary is ₹ 6,525. What was his salary before increment ?
(A) ₹ 5,200   (B) ₹ 5,000
(C) ₹ 5,002   (D) ₹ 5,220

SPACE FOR ROUGH WORK

Part – IV
GENERAL AWARENESS

151. 'Terra rossa' is a Latin word which means
    (A) hot area
    (B) red terrain
    (C) lateritic region
    (D) region near to the poles

152. Widening of a river valley takes place due to
    (A) Corrosion
    (B) Lateral erosion
    (C) Corrasion
    (D) Hydraulic action

153. Resin is a product of
    (A) Grapes
    (B) Coniferous trees
    (C) Rubber tree
    (D) Banyan tree

154. Water of coconut is
    (A) liquid nucellus
    (B) liquid mesocarp
    (C) liquid endocarp
    (D) degenerated liquid endosperm

155. Bulbils takes part in
    (A) Sexual reproduction
    (B) Vegetative reproduction
    (C) Food storage
    (D) Respiration

156. Fish is a first class protein as it contains
    (A) essential amino-acids
    (B) non-essential amino acids
    (C) all essential fatty acids
    (D) no amino acid

157. Stem is usually
    (A) Positively phototropic
    (B) Negatively phototropic
    (C) Negatively geotropic
    (D) Positively acrotropic

158. The word 'insolation' means
    (A) matters which insulates
    (B) incoming solar radiation
    (C) insoluble matters
    (D) none of the above

159. A wire of resistance R is cut into 'n' equal parts. These parts are then connected in parallel. The equivalent resistance of the combination will be
    (A) nR
    (B) $\dfrac{R}{n}$
    (C) $\dfrac{n}{R}$
    (D) $\dfrac{R}{n^2}$

160. A bullet hits and gets embedded in a solid block resting on a horizontal frictionless table. Which physical quantity is conserved in this process ?
    (A) Momentum and kinetic energy
    (B) Momentum alone
    (C) Kinetic energy alone
    (D) Neither momentum nor kinetic energy

161. An instrument used to measure the density of milk is
    (A) Glactometer
    (B) Lactometer
    (C) Calciometer
    (D) Polarimeter

162. While ascending a hill, the driver of the vehicle keeps the gear ratio
    (A) equal to 1
    (B) less than 1
    (C) greater than 1
    (D) either equal to or greater than 1

163. The process of combining strings is known as
    (A) Compiling
    (B) Combining
    (C) Attaching
    (D) Concatenation

164. Which component is mainly responsible for doing calculations in computer ?
    (A) Random access memory
    (B) Control unit
    (C) Arithmetic logic unit
    (D) Hard disk

165. Bacterial cells do not have
    (A) Cell wall
    (B) Plasma membrane
    (C) Ribosome
    (D) Mitochondria

166. The chemical name of baking soda is
(A) Sodium carbonate
(B) Sodium bicarbonate
(C) Sodium chloride
(D) Sodium nitrate

167. Chemical formula of washing soda is
(A) $Na_2SO_4.10H_2O$
(B) $NaHCO_3$
(C) $Na_2CO_3.10H_2O$
(D) $Ca(OH)_2$

168. Hydrochloric acid is also known as
(A) Galic acid   (B) Picric acid
(C) Muriatic acid   (D) Chloric acid

169. Kanchenzunga National Park is located at
(A) Uttar Pradesh
(B) West Bengal
(C) Sikkim
(D) Jammu and Kashmir

170. Biosphere Reserve of India Nanda Devi (UNESCO) is located in the State of
(A) Uttarakhand
(B) Sikkim
(C) Meghalaya
(D) Himachal Pradesh

171. Environment related important International Agreement/Conference – Convention on Biological Diversity took place in 2012 at
(A) Montreal   (B) Hyderabad
(C) Vienna   (D) Rotterdam

172. In a desert region, soil erosion can be checked by
(A) Contour ploughing
(B) Using farm manure
(C) Tree plantation/Afforestation
(D) Crop rotation

173. The first oil refinery in India was set up at
(A) Barauni
(B) Vishakhapatnam
(C) Digboi
(D) Mumbai

174. The inert gas used as beacon light is
(A) Kr   (B) Ar
(C) He   (D) Ne

175. India switched over to the decimal currency system in
(A) 1955   (B) 1956
(C) 1957   (D) 1958

176. As an export item of India, which spice occupies the top position in value ?
(A) Pepper   (B) Chillies
(C) Turmeric   (D) Cardamom

177. The fourteen major banks in India were nationalized in the year
(A) 1967   (B) 1968
(C) 1969   (D) 1971

178. One rupee notes are issued by the
(A) Reserve Bank of India
(B) State Bank of India
(C) President of India
(D) Government of India

179. The name of the train "Shatabdi Express" refers to the centenary of
(A) Mahatma Gandhi
(B) Indian National Congress
(C) India's War of Independence
(D) Jawaharlal Nehru

180. Which one of the following is not a rabi crop ?
(A) Mustard   (B) Rice
(C) Wheat   (D) Gram

181. Kolkata and Delhi are connected by
(A) N.H. No. 1   (B) N.H. No. 2
(C) N.H. No. 9   (D) N.H. No. 6

182. The driest part of India is
(A) Western Rajasthan
(B) Jammu and Kashmir
(C) Gujarat
(D) Madhya Pradesh

183. "Mumbai High" is associated with
(A) Steel   (B) Petroleum
(C) Mausoleum   (D) Jute

184. The number of Nationalized Banks in India are
(A) 14
(B) 21
(C) 20
(D) 22

185. Which one of the following goods has only exchange value ?
(A) Diamond
(B) Television
(C) Computer
(D) Rice

186. How much of India's total geographical area is forest land ?
(A) 20%
(B) 23%
(C) 26%
(D) 28%

187. The Second Plan gave priority to
(A) Agriculture
(B) Services
(C) Heavy Industries
(D) Foreign Trade

188. The power to decide an Election Petition for the State is vested in the
(A) Parliament
(B) Supreme Court
(C) High Courts
(D) Election Commission

189. How many items are there in the Union List ?
(A) 52
(B) 66
(C) 97
(D) 99

190. What is the maximum gap permissible between two sessions of Parliament ?
(A) One month
(B) Three months
(C) Six months
(D) Twelve months

191. When were the Fundamental Duties incorporated in the Constitution ?
(A) 1975
(B) 1976
(C) 1977
(D) 1979

192. Small farmers in the country have been defined as those farmers having land holdings of
(A) below one hectare
(B) one to two hectare
(C) two to three hectare
(D) three to four hectare

193. During the reign of Bindusara there was unrest at _____ .
(A) Ujjayani
(B) Pushkalavati
(C) Takshasila
(D) Rajagriha

194. The Crimean War in 1854-1856 was fought between _____ .
(A) Russia and Turkey
(B) USA and England
(C) Russia and Japan
(D) England and France

195. The "Last Supper" a famous Renaissance Painting was a master piece of _____
(A) Michael Angelo
(B) Titian
(C) Leonardo da Vinci
(D) Raphael

196. Varahamihira was
(A) An Astronaut
(B) A Space Shuttle
(C) A power Station
(D) An Ancient Astronomer

197. Talking to one's own self
(A) Sinecure
(B) Soliloquy
(C) Pessimist
(D) Philanthropist

198. Rift Valley is formed
(A) between two anticlines
(B) between two faults
(C) erosion of synclinal basin
(D) due to volcanic eruption

199. Lake formed by Aswan Dam in Africa
(A) Chad
(B) Victoria
(C) Nassar
(D) Tanganyika

200. How many judges are there in Supreme Court ?
(A) 25
(B) 26
(C) 30
(D) 31

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