

Test Booklet Code  
परीक्षा पुस्तिका संकेत

**RAMA**

**ENGLISH+HINDI**

Test Booklet Number

**290340**

**G**

**Do not open this Test Booklet until you are asked to do so.**

**इस परीक्षा पुस्तिका को तब तक न खोलें जब तक कहा न जाए।**

**Read carefully the Instructions on the Back Cover of this Test Booklet.**

**इस परीक्षा पुस्तिका के पिछले आवरण पर दिए निर्देशों को ध्यान से पढ़ें।**

This Booklet contains 36 pages.

इस पुस्तिका में 36 पृष्ठ हैं।

Name of the Candidate (in Capitals): **SURYA SUVAN**

परीक्षार्थी का नाम (बड़े अक्षरों में):

Roll Number : in figures **9201050123**

अनुक्रमांक : अंको में

: in words

: शब्दों में **four two zero one zero five one two three**

Centre of Examination (in Capitals):

परीक्षा केन्द्र (बड़े अक्षरों में):

Candidate's Signature: **T. S. Suvan**

परीक्षार्थी के हस्ताक्षर:

Invigilator's Signature:

निरीक्षक के हस्ताक्षर:

Facsimile signature stamp of

Centre Superintendent:

**In case of any ambiguity in translation of any question, English version shall be treated as final.**  
**प्रश्नों के अनुवाद में किसी अस्पष्टता की स्थिति में, अंग्रेजी संस्करण को ही अंतिम माना जायेगा।**

### INSTRUCTIONS / निर्देश

1. This question paper booklet contains FOUR sections. Section "A" Language contains 25 questions of 2 marks each. Section "B" Mathematics contains 50 questions of 3 marks each. Section "C" General Knowledge and Section "D" Intelligence contain 25 questions of 2 marks each. In all, the paper consists of 125 questions for a total of 300 marks. Answer all questions.  
इस प्रश्नपत्र पुस्तिका में चार विभाग हैं। विभाग "A" भाषा के 25 प्रश्न हैं, प्रत्येक 2 अंक का है। विभाग "B" गणित के 50 प्रश्न हैं, प्रत्येक प्रश्न 3 अंक का है। विभाग "C" सामान्य ज्ञान और विभाग "D" बुद्धिमत्ता के 25 प्रश्न हैं, प्रत्येक प्रश्न 2 अंक का है। इस प्रकार प्रश्नपत्र में कुल 125 प्रश्न हैं एवं कुल अंक 300 है। सभी प्रश्नों के उत्तर दें।
2. Duration of the test is 2 hours and 30 minutes. (150 minutes)  
परीक्षा का समय 2 घंटा 30 मिनट (150 मिनट) है।
3. Candidates are required to choose any of the following 13 languages : Assamese, Bengali, English, Gujarati, Hindi, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu or Urdu, while applying.  
अभ्यर्थी को निम्न 13 भाषाओं में से किसी एक को चुनना है : आसामी, बंगाली, अंग्रेजी, गुजराती, हिन्दी, कन्नड़, मलयालम, मराठी, उड़िया, पंजाबी, तमिल, तेलुगु और उर्दू, जो कि आवेदन करते वक्त चुना हो।
4. Question paper booklet for those who opted for English or Hindi will be bilingual (i.e. in English and in Hindi).  
जिन्होंने विकल्प के तौर पर अंग्रेजी या हिन्दी चुना है उनके लिए प्रश्न पुस्तिका द्विभाषा में होगी। (यथा – अंग्रेजी एवं हिन्दी में)
5. Question paper booklet for those who opted for any of the specified languages, will be bi-lingual, in the language opted by the candidate and in English.  
अभ्यर्थी जिन्होंने विनिर्दिष्ट भाषाओं में से किसी एक को चुना है, उनके लिए आवेदन पत्र में चुनी गयी भाषा एवं अंग्रेजी, द्विभाषा में प्रश्न पुस्तिका होगी।
6. Questions in Section "A" are specific to each language. They vary from language to language. They are not translated from English. They are to be attempted in the language opted by you in your application form and indicated on your Admit Card. They will be evaluated with reference to the answer keys of the specific language opted by you. If attempted in any other language, you may lose marks.  
विभाग "A" में प्रश्न प्रत्येक भाषा में विशिष्ट हैं। वे एक भाषा से दूसरी भाषा में अलग हैं। वे अंग्रेजी से अनुवादित नहीं हैं। आपको अपने आवेदन पत्र में और आपके प्रवेशपत्र पर अंकित आप द्वारा चुनी भाषा में उत्तर देना है। आपके द्वारा चुनी गयी विशिष्ट भाषा की उत्तर कुंजी के सन्दर्भ में मूल्यांकन होगा। यदि दूसरी भाषा में उत्तर दिया तो आपको अंकों का नुकसान हो सकता है।

## SECTION – 'A' : LANGUAGE

Read the following passage :

### The Seven Ancient Wonders of the World

The ancient Greeks made a list of places that people should see. The list was named 'the Seven Wonders of the World'. Only one of the ancient wonders can be found today in Giza, which is in Egypt. This is the Great Pyramid of Giza. It is one of the three great pyramids built around 2500 B.C. The Hanging Gardens of Babylon are another ancient wonder. They are located on the banks of the River Euphrates. This area is near Baghdad in Iraq. A King built this garden for his wife.

The Statue of Zeus was built in Olympia, Greece in 457 B.C. This statue was built to honour the Greek God Zeus. The statue was as tall as a four-storey building! In addition to Zeus, the Greeks built another very big statue, to honour the Greek Sun God, Helios. This wonder is known as the Colossus of Rhodes, built around 550 B.C. The Temple of Artemis at Ephesus was considered the most beautiful structure on earth. Ephesus was an ancient city that was located in what is now Turkey. The Mausoleum at Halicarnassus was also constructed in Turkey. The only wonder built for practical use was the Pharos of Alexandria. This was a lighthouse off the coast of Egypt. It was once the tallest building in the world.

Answer the following questions by choosing the correct option :

Which of the following statements is NOT TRUE about the passage ?

- (1) Colossus of Rhodes was built to honour Helios.
- (2) Pharos of Alexandria was a lighthouse.
- ☒ (3) The Great Pyramid of Giza was destroyed.
- (4) The Hanging Gardens of Babylon were built by a king for his wife.

Which of the Seven Ancient wonders of the world, was as tall as a four-storey building ?

- (1) The Great Pyramid of Giza
- ☒ (2) The Statue of Zeus
- ☒ (3) The Mausoleum of Halicarnassus
- (4) The Colossus of Rhodes

3. What is the meaning of the underlined word : 'The Lighthouse at Halicarnassus' ?

- (1) A kind of fabric (2) A country  
(3) Building to guide the ships (4) A temple

**Do as directed :**

4. Fill in the blank with the appropriate option.

My mother advised me to stay \_\_\_\_\_ home.

- (1) in (2) at (3) on (4) for

5. Fill in the blank with the appropriate article.

Rakesh is \_\_\_\_\_ excellent Science teacher.

- (1) an (2) a (3) the (4) no article

6. Rearrange the following words/phrases to make meaningful sentence by choosing the correct sequence.

waved (A) / she (B) / greeted (C) / and (D) / cheerfully (E) / us (F)

- (1) BCDFEA (2) CADBEF (3) ADBFEC (4) BADCFE

7. Fill in the blank with the correct option.

It was a steep \_\_\_\_\_ from the hilltop.

- (1) dissent (2) decent (3) descent (4) desent

8. Rearrange the following words/phrases to make meaningful sentence by choosing the correct sequence.

snowfall (A) / heavy (B) / the (C) / everything (D) / covered (E)

- (1) CBAED (2) BAECD (3) DECBA (4) CABED

9. Choose the correct noun.

A \_\_\_\_\_ of soldiers marched into the battleground.

- (1) Troupe (2) Trupe (3) Troop (4) Truoep

10. Choose the correct pronoun.

Is she the girl \_\_\_\_\_ won the first prize?

- (1) that (2) whom (3) which (4) who

11. Identify the type of sentence.

Mohan gave me a ten-rupee note.

- (1) Declarative (2) Imperative (3) Exclamatory (4) Interrogative

12. Choose the correct Question Tag.

You paid the bill, \_\_\_\_\_?

- (1) won't you (2) didn't you (3) will you (4) doesn't you

13. Choose the correct verb.

The water \_\_\_\_\_ from the tap last night.

- (1) dripping (2) drip (3) dripped (4) will drip

14. Choose the correct spellings :

- (1) Appointment (2) Apointment (3) Appointmant (4) Appointment

15. Choose the correct option.

A cobbler is a person who \_\_\_\_\_.

- (1) repairs taps (2) mends clothes (3) mends bulbs (4) repairs footwear

16. Choose the correct adjective.

Yesterday was the \_\_\_\_\_ day of our trip.

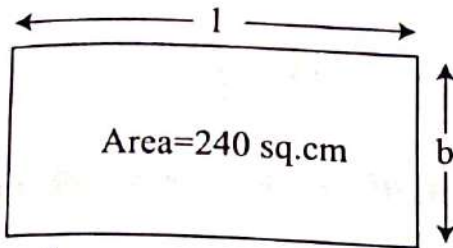
- (1) most worse (2) more worse (3) worst (4) worser

17. Choose the correct option. Closest to the meaning of 'gigantic'.
- (1) Very small      (2) ☒ Very good      (3) Very bad      (4) ☒ Very big
18. Choose the word nearest in meaning to the underlined word.
- There was a momentous moment in the cricket match.
- (1) Insignificant      (2) ☒ Important      (3) ☒ Sudden      (4) Abrupt
19. Choose the option that is opposite of 'EARLIER'.
- (1) Former      (2) Previous      (3) Latter      (4) ☒ Later
20. Choose the opposite of "literate".
- (1) ☒ Illiterate      (2) Unliterate      (3) ☒ Deliterate      (4) Misliterate
21. Seeing the wounded bird, she \_\_\_\_\_ her mother.
- (1) was calling      (2) ☒ called      (3) call      (4) calling
22. Identify the adverb.
- The doctor will see you later.
- (1) ☒ later      (2) ☒ will      (3) see      (4) The
23. Choose the appropriate option.
- All my friends are good-natured. As they say, birds of a feather \_\_\_\_\_ together.
- (1) ☒ wing      (2) ☒ clique      (3) flock      (4) group
24. Choose the incorrect pair :
- (1) knife-knives      (2) woman-women      (3) deer-deer      (4) ☒ mouse-mouses
25. Fill in the blank with correct conjunction.
- Manjeet cannot drive \_\_\_\_\_ he has a licence.
- (1) if      (2) ☒ unless      (3) although      (4) yet

## SECTION – 'B' : MATHEMATICS

26. Which one of the following are arranged in descending order ?
- (1)  $\frac{2}{5}, \frac{2}{7}, \frac{2}{13}, \frac{2}{9}, \frac{2}{3}$  (2)  $\frac{6}{11}, \frac{14}{11}, \frac{10}{11}, \frac{4}{11}, \frac{2}{11}$
- (3)  $\frac{7}{6}, \frac{7}{8}, \frac{7}{12}, \frac{7}{15}, \frac{7}{18}$  (4)  $\frac{10}{9}, \frac{13}{9}, \frac{5}{9}, \frac{15}{9}, \frac{7}{9}$
27. Which of the following numerals are arranged in ascending order ?
- (1) 6821, 6812, 6261, 2861 (2) 9075, 7905, 9701, 5907
- (3) 10529, 12049, 12509, 15249 (4) 23124, 23213, 21467, 2764
28. What would be the price of seven chairs, if the price of one chair is ₹ 7642.45 ?
- (1) ₹ 53497.35 (2) ₹ 53497.15 (3) ₹ 53499.15 (4) ₹ 53597.15
29. Fill in the blank with the correct option.  
CCCXC + LIX = \_\_\_\_\_.
- (1) CCCCXLIX (2) CDXLIX (3) CDCXLIX (4) CDXXXXIX
30. A dealer purchased 50 tables for ₹ 4570 each. Nine tables got damaged in transit. He sold the remaining tables for ₹ 5000 each. Choose the most appropriate statement for this case ?
- (1) He was able to recover the cost of the damaged tables.  
(2) He made a profit of ₹ 25000.  
(3) He incurred a loss of ₹ 23500.  
(4) He made a profit of ₹ 23500.
31. Which one of the following options is incorrect ?
- (1)  $\frac{2}{5} = 0.4$  (2)  $1.147 > 1.039$  (3)  $5.862 < 5.9$  (4)  $3.21 > 3.222$
32. I am a five-digit even number. I have 9 at my tens place. The digit at the ten thousands place is three less than the digit at the tens place. The digit at the hundreds place is half the value of the digit at the ten thousand place. The digit at the thousand place is double the digit at the ones place. Who am I ?
- (1) 68494 (2) 61392 (3) 64391 (4) 68394

33. Which one of the following is the incorrect option ?



- (1) ☒  $l=19.2$  cm,  $b=12.5$  cm      (2)  $l=16$  cm,  $b=15$  cm  
(3) ☒  $l=54$  cm,  $b=5$  cm      (4)  $l=32$  cm,  $b=7.5$  cm

34. What is the side of a cube, if its volume is 64 cu.cm ?

- (1) 12 cm      (2) ☒ 4 cm      (3) 8 cm      (4) 16 cm

35. Seventy six lakh four thousand eighty three is written as \_\_\_\_\_ in the international number system.

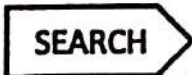
- (1) 7,640,083      (2) ☒ 76,483      (3) 760,483      (4) ☒ 7,604,083

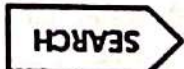
36. Rounding off 7348561 to the nearest hundreds is \_\_\_\_\_.

- (1) ☒ 7348000      (2) ☒ 7348600      (3) 7348560      (4) 7348500

37. What must be added to 2.4624 to get 6.785 ?

- (1) 4.321      (2) 4.3221      (3) ☒ 4.3226      (4) 4.3229

38. What would be the water image of  ?

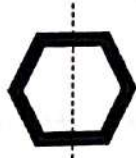
- (1)       (2) ☒       (3)       (4) 

39. Choose the smallest possible 7-digit number that you can form using each of the following digits 5, 1, 8, 0, 3.

- (1) 1310058      (2) ☒ 1001358      (3) 1130058      (4) ☒ 1000358

40. The product of the LCM and HCF of two numbers is 322. If one of the numbers is 23, what is the other ?

- (1) 7      (2) ☒ 14      (3) 18      (4) 46

41. Solve :  $\frac{6}{8} \div \frac{3}{2} \times \frac{4}{5}$
- (1)  $\frac{3}{5}$                       (2)  $\frac{3}{8}$                       (3)  $\frac{5}{8}$                       (4)  $\frac{2}{5}$
42. Anil had 78.6 m fabric which was just enough to make one set of uniform for 12 students. How much fabric would be used to make one uniform ?
- (1) 6.05 m                      (2) 6.65 m                      (3) 6.55 m                      (4) 6.25 m
43. The area of a triangle whose base is 12 cm and the height twice the base, is \_\_\_\_\_.
- (1) 288 sq. cm                      (2) 144 sq. cm                      (3) 289 sq. cm                      (4) 298 sq. cm
44. An oil tank can hold 60 litres of oil. Another oil tank can hold thrice as much. What is the total capacity of both the tanks ?
- (1) 180 litres                      (2) 240 litres                      (3) 120 litres                      (4) 300 litres
45. 128400 pens are to be packed in cartons with 150 pens in each. How many cartons will be needed ?
- (1) 856                      (2) 805                      (3) 846                      (4) 876
46. Which one of the following figures is not symmetrical along the dotted line ?
- (1)                       (2)                       (3)                       (4) 
47. In a particular year, 76,43,872 students appeared for an exam. Out of them if 42,37,602 were girls, how many were boys ?
- (1) 43,06,270                      (2) 34,56,270                      (3) 34,06,270                      (4) 43,05,370
48. What should be subtracted from 3 million to get 1765498 ?
- (1) 1,234,602                      (2) 1,234,502                      (3) 1,324,502                      (4) 1,234,402
49. If the classes for the senior students start everyday at 8:35 a.m. and end at 1:45 p.m. (with no breaks), find the total duration of the classes.
- (1) 4 hours 40 minutes                      (2) 310 minutes                      (3) 315 minutes                      (4) 5 hours 20 minutes

50. Raman started a journey 4 hours before Sameer. If Sameer started his journey at 2:15 p.m. at what time did Raman start his journey ?  
 (1) 09:15 hours (2) 11:15 hours (3) 10:15 hours (4) 14:15 hours

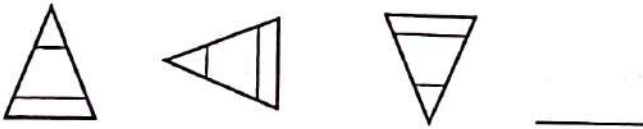
51. If  $\triangle + \triangle + \bigcirc = 420$  and  $\bigcirc - \triangle = 90$ , then what is the value of  $\bigcirc$  ?  
 (1) 100 (2) 200 (3) 90 (4) 120

52. Identify the greatest fraction from the following :

$$\frac{2}{11}, \frac{2}{7}, \frac{2}{13}, \frac{2}{9}, \frac{2}{3}$$

- (1)  $\frac{2}{11}$  (2)  $\frac{2}{9}$  (3)  $\frac{2}{7}$  (4)  $\frac{2}{3}$

53. Select the next figure in the pattern :



- (1) (2) (3) (4)

54. Select values of m, n to make the statement true.

$$127 \times 15 = (\underline{\quad m \quad} \times 15) + (\underline{\quad n \quad} \times 15)$$

- (1)  $m = 100, n = 15$  (2)  $m = 120, n = 15$   
 (3)  $m = 15, n = 27$  (4)  $m = 100, n = 27$

55. Sum of place values of the underlined digits in the given numbers is \_\_\_\_\_.

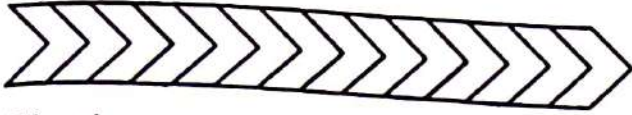
$$69\underline{5}28\underline{1} \quad 53485\underline{7}3$$

- (1) 305071 (2) 300551 (3) 305017 (4) 3005071

56. What is the weight of two dozen biscuits if each biscuit weighs 4 g ?

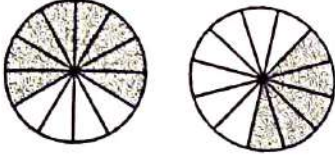
- (1) 24 g (2) 64 g (3) 48 g (4) 96 g

57. How many parts of the given figure should be shaded to represent  $\frac{3}{7}$  ?



- (1) 4 (2) 12 (3) 8 (4) 6

58. What is the fraction that the sum of the shaded regions represent ?

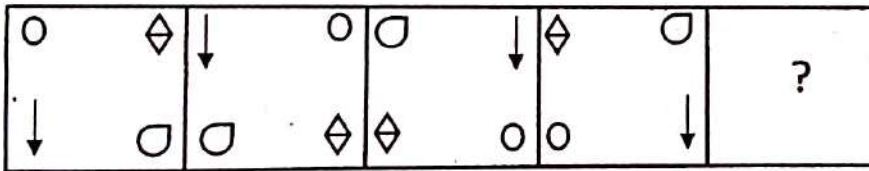


- (1)  $\frac{10}{12}$  (2)  $\frac{1}{4}$  (3) 1 (4)  $1\frac{1}{12}$

59. In 563672, the place value of 6 at the ten thousands place is \_\_\_\_\_ times the place value of 6 at the hundreds place.

- (1) 1000 (2) 100 (3) 10 (4) 10000

60. Choose a figure that will continue the series in the given figure.



- (1) (2) (3) (4)

61. Shreya has 32 red pens and 56 blue pens. She wants to make packs of equal number of pens out of them in such a way that each pack has pens of only one colour. How many pens would be there in the biggest pack ?

- (1) 4 (2) 8 (3) 16 (4) 12

62. If the cost of fencing 1 m is ₹ 215, then find the cost of fencing a park with length 45 m and breadth 23 m.

- (1) ₹ 29240 (2) ₹ 25340 (3) ₹ 29440 (4) ₹ 29540

63. Convert the fraction  $15\frac{1}{25}$  into a decimal number.

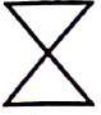
(1) 150.4

(2) 15.04

(3) 1504

(4) 1.504

64. How many acute angles are there inside the given figure ?



(1) 4

(2) 6

(3) 5

(4) 7

65. Prisha weighs 42 kg and Kyra weighs 39.5 kg. What is their total weight ?

(1) 82500 g

(2) 8250 g

(3) 81500 g

(4) 8150 g

66. A webinar has three intervals of 5 minutes each. What is the total duration of the intervals in seconds ?

(1) 1000

(2) 800

(3) 900

(4) 1500

67. Which one of the following is not an equivalent fraction of  $\frac{5}{7}$  ?

(1)  $\frac{15}{21}$

(2)  $\frac{45}{56}$

(3)  $\frac{25}{35}$

(4)  $\frac{10}{14}$

68. An athlete finishes 400 m race in 48 seconds. How many minutes has he spent in running if he ran five times on the same track at the same speed ?

(1) 4

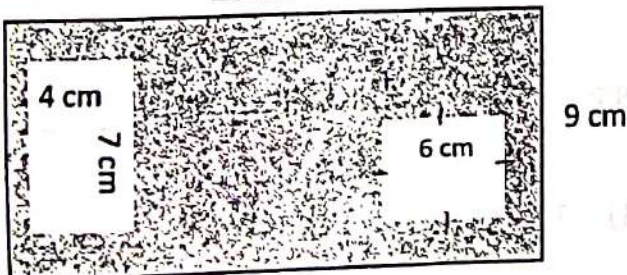
(2) 3.5

(3) 5

(4) 6

69. Find the area of the shaded part of the figure.

25 cm



(1) 161 sq. cm

(2) 171 sq. cm

(3) 173 sq. cm

(4) 163 sq. cm

70. Identify the angle created by the minute hand and the hour hand at 2:30 p.m.

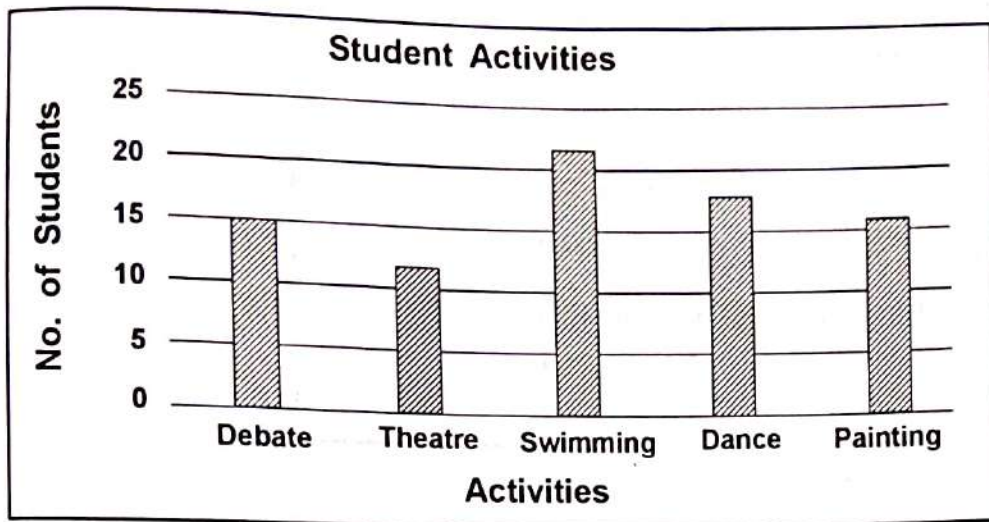
(1) Acute

(2) Obtuse

(3) Straight

(4) Right

Instructions For Q. No. 71 - 75 : The following graph represents the activities taken up by Grade V students in a particular school. Study the graph and answer the following questions.



71. How many students were there in the 2 least popular activities ?  
 (1) 25 (2) 24 (3) 28 (4) 27
72. How many more students chose Swimming as compared to Debate ?  
 (1) 6 (2) 8 (3) 5 (4) 7
73. What is the total number of students in Grade V ?  
 (1) 80 (2) 83 (3) 85 (4) 84
74. The number of students who chose Painting is \_\_\_\_\_ more than the number of students who chose Theatre.  
 (1) 1 (2) 2 (3) 3 (4) 4
75. How many students chose Dance ?  
 (1) 16 (2) 18 (3) 17 (4) 19

## SECTION - 'C' : GENERAL KNOWLEDGE

76. By what other name is the Water Cycle known as ?  
(1) Water movement cycle (2) Air cycle  
(3) Hydrologic cycle (4) Tectonic cycle
77. Which bacteria is responsible for the formation of curd ?  
(1) Vibrio Cholerae (2) Lactobacillus Acidophilus  
(3) Streptococcus thermophilus (4) Bacillus radicularis
78. Pick an example of water pollution.  
(1) An oil spill from a large ship  
(2) Animals walking along the beach  
(3) Drinking water out of a plastic bottle  
(4) Gasoline in a car
79. What is meant by seed coat ?  
(1) Hard cover around the food stored  
(2) Hard cover around the baby plant  
(3) The protective outer coat of a seed  
(4) Hard cover around the roots of the plant
80. Who was the Chief of Army during the Indo-Pak war, 1971 ?  
(1) General PP Kumaramangalam (2) Field Marshal SHFJ Manekshaw  
(3) General JN Chaudhari (4) General KS Thimayya
81. Which one of the following statements is true about fossil fuels ?  
(1) They are renewable resources.  
(2) They are found within the top layers of the Earth's crust.  
(3) They are formed over the course of ten years.  
(4) They are the remains of once-living organisms.

82. Where is the famous Meenakshi Temple located ?  
(1) Ujjain (2) Varanasi (3) Madurai (4) Rameswaram
83. Name the holy book of the Parsis.  
(1) Bible (2) Zend Avesta (3) Quran (4) Guru Granth Sahib
84. Which Vitamin deficiency leads to bleeding of gums, slow healing of wounds and aching limbs ?  
(1) Vitamin A (2) Vitamin B (3) Vitamin C (4) Vitamin D
85. Where is the United Nations Headquarters located ?  
(1) Vienna (2) New York (3) Paris (4) Zurich
86. What is the major source of fresh water in India ?  
(1) Ocean water (2) River water (3) Pond water (4) Ground water
87. In which sport is the term 'Knock-Out' used ?  
(1) Archery (2) Boxing (3) Golf (4) Billiards
88. Who invented electric bulb ?  
(1) Thomas Alva Edison (2) Alexander Graham Bell  
(3) Marie Curie (4) C. V. Raman
89. Salman Rushdie won the Booker Prize for which book ?  
(1) The Satanic Verses (2) Midnight's Children  
(3) Fury (4) Shalimar the Clown
90. Pick out the incorrect statement.  
(1) Gravitation affects only part of the earth.  
(2) Gravitation pulls iron.  
(3) Gravitation prevents things from floating.  
(4) Aeroplane do not fly in the gravitational field.
91. The reading above \_\_\_\_\_ on Richter scale can cause severe damage.  
(1) 7 (2) 6 (3) 5 (4) 4

92. Who has won the Sushila Devi Literature Award for the novel "Things to Leave Behind" ?  
(1) Kanika Mukherjee (2) Ram Suri  
(3) Namita Gokhale (4) Rita Chandra
93. What does white colour in the Indian National Flag represent ?  
(1) Sacrifice (2) Peace and Truth  
(3) Prosperity of life (4) None of these
94. Which State / Union Territory is Nanda Devi located in ?  
(1) Himachal Pradesh (2) Jammu and Kashmir  
(3) Uttarakhand (4) Uttar Pradesh
95. Where did Buddha attain enlightenment ?  
(1) Lumbini (2) Bodh Gaya (3) Sarnath (4) Kushinagar
96. What do tissues help in ?  
(1) Faster development (2) Division of labour among cells  
(3) Higher reproductive potential (4) Body strength
97. Which classical dance form is named after the village it originated from ?  
(1) Kuchipudi (2) Kathakali (3) Bharatnatyam (4) Mohiniattam
98. Which sweet is deep-fried, dipped in sugar syrup, round shaped and usually orange in colour ?  
(1) Gajar ka halwa (2) Rasgulla (3) Bhakarwadi (4) Jalebi
99. Which part of the Earth supports its biodiversity ?  
(1) Biosphere (2) Sanctuary  
(3) Ecosystem reserve (4) Biotic community
100. What process is involved in Cloud Seeding, which is a technique that induces rain ?  
(1) Adopting an agricultural practice that depends on clouds.  
(2) When water vapour in the atmosphere cools and condenses around a particle of dust or salt.  
(3) Making clouds and placing them in the sky.  
(4) Scattering clouds to form seed like structures.

## SECTION - 'D' : INTELLIGENCE

101. If 'A' means ' $\div$ ', B means '-', C means ' $\times$ ' and 'D' means '+', then find the value of the following equation.

$$16 \div 64 \div 4 \div 4 \div 3 = ?$$

- (1) 20                      (2) 15                      (3) 9                      (4) 17

102. Which of the following option is an odd one ?

- (1) PQRS                      (2) LMNOP                      (3) BCDE                      (4) FGHI

103. There are four buildings in a residential complex A, B, C and D. Each one is of a different height. D is only shorter than B. A is shorter than D and C. Which one is the shortest of them all ?

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

104. Which of the following words cannot be formed out of the word 'CONDUCT' ?

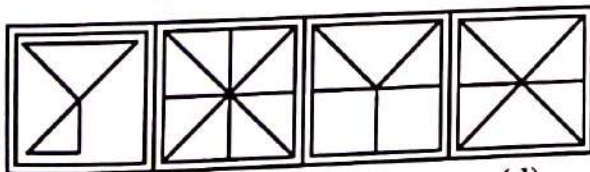
- (1) Duct                      (2) Counted                      (3) Count                      (4) Donut

105. Fill in the blank with one of the options given below, which is in line with the sequence in the question.

PUE, QVF, RWG, \_\_\_\_\_, TYI

- (1) SXH                      (2) TSQ                      (3) ABN                      (4) STY

106. Figure  is embedded in one of the four alternatives. Find the alternative which contains figure  as its part.



- (a)                      (b)                      (c)                      (d)
- (1) a                      (2) b                      (3) c                      (4) d

107. A bus for Delhi leaves every 30 minutes from a bus station. The station master told a passenger that a bus has already left 10 minutes ago and the next bus will leave at 9:35 am. At what time the station master gave this information to the passenger ?

- (1) 9:20 am                      (2) 9:10 am                      (3) 9:15 am                      (4) 9:25 am

108. Find out the pair in which the words bear the same relationship to each other as the given one.

Austria : Vienna

(✓) Egypt : Cairo

(3) USA : Orlando

(2) Germany : London

(4) Australia : Sydney

109. In a certain language 'FIGHT' is written as 'TGHFI', then how will 'PAPER' be written in that code ?

(✓) RPEPA

(2) REPPA

(3) PEARP

(4) PAEPR

110. Which sequence of mathematical symbols can replace \* in the given equation to balance the equation ?

$$7 * 7 * 2 * 1 = 12$$

(1)  $\times \div -$

(✓)  $+ - \times$

(3)  $\div + -$

(4)  $\times - \times$

111. 37 boys are standing in a row. Aakash is 14<sup>th</sup> from the right end. If he is shifted six places to the left, what is his position from the left end ?

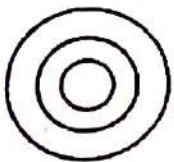
(1) 20

(✓) 18

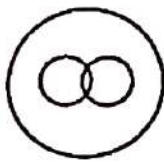
(3) 11

(4) 14

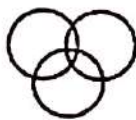
112. Which of the following diagrams best depicts the relationship between Table, Chair, Furniture ?



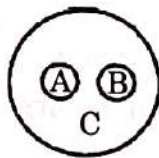
A



B



C



D

(1) A

(✓) B

(3) C

(4) D

113. Choose the correct alternative.

Smoke : Pollution :: War : ?

(1) Peace

(✓) Victory

(3) Treaty

(4) Destruction

114. If GRAIN is related to WAREHOUSE, then Water is related to \_\_\_\_\_.

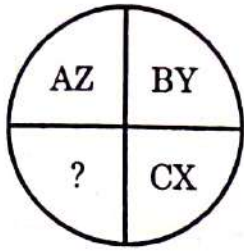
(1) Estuary

(✓) River

(3) Canal

(4) Dam

115. Which character when placed at the sign of interrogation (?) shall complete the given pattern ?



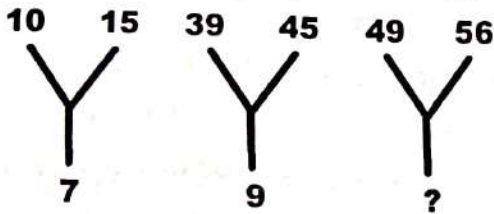
- (1) DW (2) DK (3) DE (4) DL

116. What comes in the place of question mark (?) in the following number series?

4, 12, 36, 108, 324, ?

- (1) 520 (2) 475 (3) 680 (4) 972

117. Find the missing figures from the given alternatives.

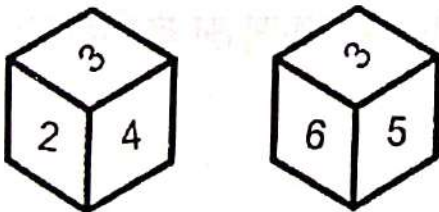


- (1) 28 (2) 21 (3) 11 (4) 38

118. Surbhi is facing East. She turns  $90^\circ$  in the clockwise direction and moved 2 kilometers, then she turns  $145^\circ$  in clockwise direction and moved 1 kilometer. Which direction is she facing now ?

- (1) North (2) East (3) North-West (4) South-East

119. Two positions of dice are shown below. Identify the number at the bottom when the top is '5' ?



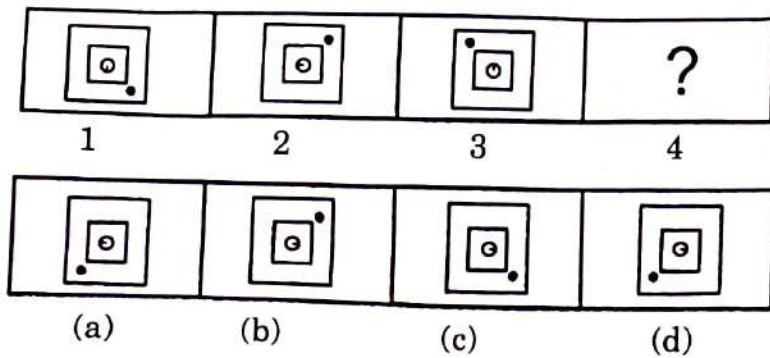
- (1) 3 (2) 2 (3) 6 (4) 4

120. Replace the question mark (?) in the given series.

mm, OO, qq, SS, ?

- (1) uu (2) Ss (3) UU (4) rr

'4' ?



- (1) a (2) b (3) c (4) d

122. Choose the correct alternative from the options for the Assertion (A) and Reason (R) given below.

**Assertion (A) :** In India, people elect their own representatives.

**Reason (R) :** India is a democratic country.

- (1) 'A' is true but 'R' is false (2) 'A' is false but 'R' is true  
(3) Both 'A' and 'R' are true (4) Both 'A' and 'R' are false

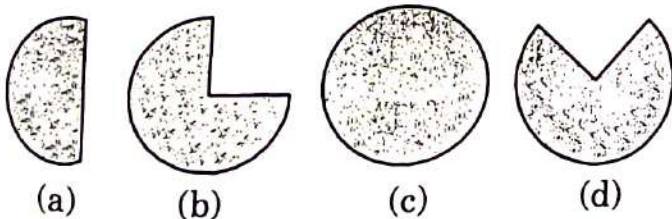
123. If in a certain language 'PARROT' is written as '123345' and 'SOAT' is written as '6425', then how would 'ROAST' be written in that code ?

- (1) 34625 (2) 32564 (3) 32456 (4) 34265

124. R is K's sister. P is K's brother. Q is T's father who is P's brother. H is K's mother. At least how many sons do Q and H have ?

- (1) 3 (2) 2 (3) 1 (4) 4

125. If 35 out of 70 people are diabetic, which figure will depict the diabetic group ?



- (1) a (2) b (3) c (4) d

- o O o -