SECTION – 'A' : LANGUAGE

Read the following passage carefully and answer the questions given below : (Q. 001 to Q. 005)

If you want to send a letter by post today, you have to paste a stamp on the envelope. But long ago there were no stamps. People who wanted to send a letter would fold it and stick it with wax. Then the post office would send the letter and the person who got it would have to pay for receiving the letter. The first stamp was printed in England. It was black and had a picture of Queen Victoria on it. It cost one penny (the British Paise). That is why it was called the 'Penny Black'.

The hobby of collecting stamps is known as Philately. Stamps have been brought out in many shapes and sizes. Some stamps are very valuable and can sell for a lot of money.

001 Choose the correct option.
The hobby of collecting stamps is called _____.
(1) Gardening
(2) Fashion Designing
(3) Cooking
(4) Philately

002 'It was black and had a picture of Queen Victoria'.
Identify the part of speech for "black" from the given sentence.
(1) Noun
(2) Pronoun
(3) Adjective
(4) Verb

003 Choose the opposite of 'send'.
(1) receive
(2) cost
(3) brought
(4) sell

004 Choose the correct option to fill in the blank.
The first stamp was printed in _____.
(1) India
(2) England
(3) America
(4) Australia

005 Choose the correct statement.
(1) The first stamp had a picture of a lion.
(2) The first stamp had a picture of Queen Victoria.
(3) The first stamp had a picture of Queen Elizabeth.
(4) The first stamp had a picture of a goat.

006 Fill in the blank with the appropriate article.
They are going to _____ Metro station.
(1) a
(2) the
(3) an
(4) no article

007 Identify the adjective from the given options.
(1) saw
(2) to
(3) honest
(4) his

008 Choose the correct preposition to complete the following sentence.
The restaurant is _____ the school.
(1) up
(2) behind
(3) along
(4) between

009 Complete the following sentence by choosing the correct option :
They left _____ shoes on the floor as _____ was no space on the shoe rack.
(1) they're, their
(2) their, there
(3) there, their
(4) their, they're

010 Choose the correct option to complete the idiom given below.
You have hit the nail on the _____.
(1) head
(2) leg
(3) arm
(4) finger

011 Choose the correct spelling.
(1) Sincerity
(2) Sencerity
(3) Sincerrity
(4) Sinceerity

012 Choose the correct pronoun.
_____ is standing at the gate ?
(1) Who
(2) Whom
(3) Which
(4) Whose

013 Identify the adverb.
She read the answer twice.
(1) twice
(2) answer
(3) read
(4) she

014 Choose the option that is opposite of 'brave'.
(1) coward
(2) clever
(3) courageous
(4) shameful

015 Choose the word nearest in meaning to the underlined word.
She requested him to drop her home.
(1) ordered
(2) ask politely
(3) instructed
(4) forced

016 Choose the correct verb.
The baby was _____ in the room.
(1) sleep
(2) sleeping
(3) will sleep
(4) will be sleeping

017 From the following select the most appropriate option to fill in the blank :

a _____ of ships.

(1) bundle   (2) brood   (3) fleet   (4) pack

018 Select the sentence with correct order of words.

(1) Call each other with the mice repeating calls.
(2) The mice call each other with repeating calls.
(3) The mice call repeating calls with each other.
(4) The mice repeating calls with each other.

019 Select the correct option to fill in the blank.

Don't disturb me. I _____ my work.

(1) do   (2) did   (3) am doing   (4) does

020 Select the incorrect option.

(1) Mouse - Mice   (2) Child - Children
(3) Sheep - Sheeps   (4) Woman - Women

021 Identify the question tag in the following sentence :

She sings very well, doesn't she ?

(1) doesn't   (2) doesn't she ?   (3) sings   (4) well

022 Choose the option that does **NOT** come under gender.

(1) Masculine   (2) Feminine   (3) Singular   (4) Neuter

023 Identify the type of sentence.

Come and do your duty.

(1) Assertive   (2) Interrogative   (3) Imperative   (4) Exclamatory

024 'Laughter is the best medicine.'

Identify the kind of Noun for 'laughter'.

(1) Proper Noun   (2) Common Noun   (3) Abstract Noun   (4) Collective Noun

025 Choose the correct sentence where 'enough' has been used as an adverb.

(1) There is enough 'ink' in the pot.
(2) She has time enough to buy the shoes.
(3) He was kind enough to help me.
(4) She is enough beautiful to tempt me.

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SECTION – 'B' : MATHEMATICS

026 Match List - I with List - II.

List - I
(A) longest chord
(B) space between two radii
(C) half of a circle
(D) half of diameter

List - II
(I) radius
(II) diameter
(III) sector
(IV) semi-circle

Choose the correct answer from the options given below :

(1) (A)-(IV), (B)-(I), (C)-(II), (D)-(III)
(2) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
(3) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
(4) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)

027 Three cubes whose each edge is 4 cm are joined together to form a cuboid. Find the volume of the new cuboid formed.

(1) 64 cm^3 (2) 0.064 cm^3 (3) 192 cm^3 (4) 12 cm^3

028 The perimeter of one face of a cuboid is 40 cm. If the length and depth of this cuboid is 13 cm and 8 cm, then find the volume of the cuboid.

(1) 846 cm^3 (2) 625 cm^3 (3) 728 cm^3 (4) 746 cm^3

029 Which of the following are four consecutive composite numbers ?

(1) 22, 23, 24, 25   (2) 60, 61, 62, 65   (3) 56, 57, 58, 59   (4) 90, 91, 92, 93

030 A pair of twin prime number between 70 and 100 is _____.

(1) 71, 73   (2) 79, 83   (3) 97, 99   (4) 87, 89

031 Name the triangle shown below based on both sides and angles.

(1) isosceles and acute triangle   (2) scalene and right triangle
(3) obtuse and right triangle   (4) equilateral and obtuse triangle

032 Given below are two statements : One is labelled as Assertion A and the other is labelled as Reason R.

Assertion A : Right angled triangle is not a regular polygon.
Reason R : All the sides and angles of a regular polygon are equal.

In the light of the above statements, choose the correct answer from the options given below :

(1) Both A and R are true and R is the correct explanation of A.
(2) Both A and R are true but R is NOT the correct explanation of A.
(3) A is true but R is false.
(4) A is false but R is true.

033 Find the value of $54 \div 0.009$.

(1) 0.006   (2) 6.0   (3) 6000   (4) 48.6

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[Contd...

Wrong option

034 The product of Place-value and Face value of digit 6 in the number 7860443 is _____.
   (1) 3652800000   (2) 3600000000   (3) 3626580000   (4) 360000000

035 Find the smallest five digit number using three different digits.
   (1) 10000   (2) 20000   (3) 00021   (4) 10002

036 If a number is divisible by 8 and 3 both, then by which other numbers will it always be divisible.
   (1) 8 and all its factors   (2) factors of 3
   (3) factors of 24   (4) factors of 12

037 The product of two numbers with LCM of 112 is 4032. The HCF of the two numbers will be _____.
   (I) 1   (2) 12   (3) 9   (4) 36

038 The cost of a dozen headphones is ₹ 78,564. Samar wants to buy five headphones. Find the amount to be paid by him to get five headphones.
   (1) ₹ 40,675   (2) ₹ 32,735   (3) ₹ 32,375   (4) ₹ 43,675

039 Trisha is arranging fruit juices for 40 classmates. She wants to serve 250 ml of juice to each of the classmate. What is the minimum number of tetrapacks she requires for serving if each tetrapack contains 2.5 l of juice ?
   (1) 2.5   (2) 3   (3) 4   (4) 10

040 Compute the reciprocal of expression given below :

$$\frac{34}{15} \times \frac{45}{17}$$

   (1) $\frac{17}{38}$ (2) $\frac{15}{45}$ (3) $\frac{1}{6}$ (4) does not exist

041 Radhika bought $8\frac{1}{4}$ kg of fruits. She used $2\frac{5}{6}$ kg of fruits in pudding and kept the rest for fruit salad. What is the quantity of fruit left for fruit salad ?
   (1) $6\frac{2}{12}$ kg   (2) $5\frac{5}{12}$ kg   (3) $6\frac{1}{24}$ kg   (4) $5\frac{5}{24}$ kg

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$$\frac{33}{4} - \frac{17}{6}$$
$$\frac{99-34}{12} = \frac{65}{12} = 5\frac{5}{12}$$

[Contd...

042 A bullock cart is carrying 230 kg of sand to a construction site. If 4.65 kg sand slipped away on the way to the site, then find the amount of sand that reached the site.
   (1) 226.65 kg   (2) 234.65 kg   (3) 225.45 kg   (4) 225.35 kg

043 If the speed of the car is reduced from 100 km/hr to 50 km/hr, then the time taken to cover the same distance will _____.
   (1) Remain same   (2) Will be reduced by 50 minutes
   (3) Double   (4) Will be increased by 50 minutes

044 A train covers a distance of 1862 km with a speed of 98 km/hr. Compute the time taken by the train to cover this distance.
   (1) 17 hours   (2) 23 hours   (3) 19 hours   (4) 21 hours

045 Find the sum of 4-digit greatest number and 6-digit smallest number, each having 3 different digits.
   (1) 109999   (2) 109989   (3) 110020   (4) 1000989

046 Subtract 28,576 from the sum of the least and the greatest 5-digit number formed using the digits 3, 0, 5, 8 and 1.
   (1) 67,092   (2) 84,653   (3) 68,932   (4) 73,695

047 The complement of one-fourth of a straight angle will be -
   (A) Acute angle   (B) Right angle
   (C) Obtuse angle   (D) Half of a right angle
   (1) Only (B)   (2) Only (C)
   (3) Both (A) and (B)   (4) Both (A) and (D)

048 An angle is three times of the half of a right angle. Find its supplement.
   (1) 90°   (2) 135°   (3) 145°   (4) 45°

049 While arranging the given fractions from the least to the greatest, which fraction will be at second last place ?

$$\frac{3}{5}, \frac{1}{3}, \frac{5}{6}, \frac{7}{15}$$

   0.6, 0.33, 0.85, 0.46

   (1) $\frac{1}{3}$ (2) $\frac{5}{6}$ (3) $\frac{7}{15}$ (4) $\frac{3}{5}$

050 Arrange the following fractions in ascending order :

$$\frac{2}{3}, \frac{5}{6}, \frac{7}{8}, \frac{9}{14}$$

   0.66, 0.83, 0.87, 0.64

   (1) $\frac{7}{8}, \frac{5}{6}, \frac{2}{3}, \frac{9}{14}$ (2) $\frac{7}{8}, \frac{2}{3}, \frac{5}{6}, \frac{9}{14}$ (3) $\frac{9}{14}, \frac{2}{3}, \frac{5}{6}, \frac{7}{8}$ (4) $\frac{9}{14}, \frac{7}{8}, \frac{2}{3}, \frac{5}{6}$

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[Contd...

051 The table below shows the price of some items in a shop :

Item	Price per kg
Sugar	₹ 72
Rice	₹ 108
Coffee	₹ 237
Wheat	₹ 63

What is the ratio of combined price of Sugar and Rice to that of Coffee and Wheat ?
(1) 9 : 14
(2) 2 : 3
(3) 4 : 5
(4) 3 : 5

052 What least number should be added to each term of the ratio 7 : 13 to get the ratio 2 : 3 ?
(1) 1
(2) 3
(3) 5
(4) 7

053 By selling a watch for ₹ 1,275 Javed lost 15%. At what price should he sell so as to make a profit of 10% ?
(1) ₹ 1,500
(2) ₹ 1,600
(3) ₹ 1,650
(4) ₹ 1,700

054 Seema and Ravi invested ₹ 1,50,000 in a business in the ratio of 2 : 3. At the end of the year, they made a profit of 150% on the invested sum. If they share the profit money in the same ratio, then what will be Seema's share ?
(1) ₹ 1,50,000
(2) ₹ 20,000
(3) ₹ 1,35,000
(4) ₹ 90,000

055 Which of the given statement is true ?
(1) $(21 - 15) - 6 = 21 - (15 - 6)$
(2) $14 \times 36 \div 6 - 10 = 84$
(3) $93 \times 63 - 93 \times 37 = 9300$
(4) $25 + 49 \div 7 \times 5 - 6 = 54$

056 $9 + [6 + 7 \text{ of } 3 - (9 + 2 - 6 \div 2)]$
(1) 25
(2) 26
(3) 27
(4) 28

057 The mean for 13, 14, 19, a, 17 is 22. Find the value of a.
(1) 37
(2) 47
(3) 57
(4) 67

058 Given below are the runs scored by a batsman in 4 matches. Calculate the average runs scored by the batsman.

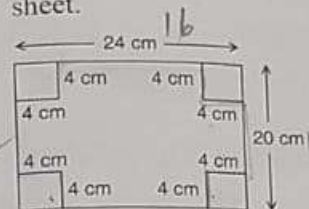| Match	I	II	III	IV
Runs Scored	35	0	6	98

(1) 139
(2) 140
(3) 46.66
(4) 34.75

059 What percent of 4 days is 6 hours ?
(1) $5\frac{1}{4}\%$
(2) $3\frac{1}{4}\%$
(3) $6\frac{1}{4}\%$
(4) $4\frac{1}{4}\%$

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[Contd...

060 A batsman scored 190 runs which included 10 boundaries and 6 sixes. What percent of his total score did he make by running between the wickets ?
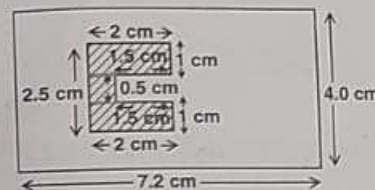(1) 50%
(2) 60%
(3) 70%
(4) 75%

061 Riya is doing a paper cutting activity. She cuts out four identical square corners of the rectangular sheet as given in the figure. Find the area and perimeter of the remaining sheet.

(1) 416 sq. cm 88 cm
(2) 316 sq. m 80 cm
(3) 480 sq. m. 88 cm
(4) 480 sq. m 80 cm

062 Find the area of the unshaded region in the given figure.

(1) 6.75 cm²
(2) 28.8 cm²
(3) 24.55 cm²
(4) 22.05 cm²

063 A farmer borrowed a sum of ₹ 10,000 from a bank at 5% rate of interest per annum. How much interest will he pay the bank in 3 years ?
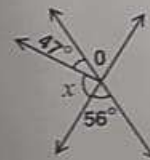(1) ₹ 30,000
(2) ₹ 1,500
(3) ₹ 500
(4) ₹ 11,500

064 Rijul took ₹ 50,000 from a person for 3 years at the rate of 8% per annum. Find the amount paid by Rijul to that person after 3 years.
(1) ₹ 52,000
(2) ₹ 62,000
(3) ₹ 51,200
(4) ₹ 48,000

065 Find the supplement of complement of two thirds of a right angle.
(1) 120°
(2) 150°
(3) 30°
(4) 60°

066 In the figure given, the measure of x is _____

(1) 124°
(2) 43°
(3) 77°
(4) 56°

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[Contd.

067 The normal body temperature of a human being is 37°C. Convert it to degree Fahrenheit.

(1) 98°F   (2) 97°F   (3) 95°F   (4) 98.5°F

068 The difference between − 50°C and 72°C is _____.

(1) 122°C   (2) 42°C   (3) + 32°C   (4) + 102°C

069 Express 18 kg 5g as kg

(1) 18.5 kg   (2) 18.500 kg   (3) 18.05 kg   (4) 18.005 kg

070 Find the number of zeros on 1 km when you convert a kilometer into millimeter.

(1) 5   (2) 6   (3) 7   (4) 8

071 Which of the following is the correct representation for number 99 ?

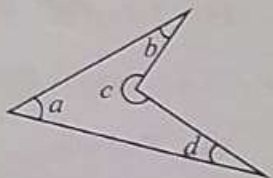(1) IC   (2) XCVIIII   (3) XCIX   (4) L+XXXXIX

072 Find the value of : MXLII + CXCIV − LXIII

(1) MCLXXIII   (2) MCCCCXXIX (3) MCCLXXIII   (4) MCXLIIV

073 Name the type of an angle whose measure is 29° more than the difference of 136° and 77°.

(1) acute angle   (2) obtuse angle   (3) right angle   (4) reflex angle

074 Which of the angles in the given figure is larger than two (2) right angles ?

(1) Only ∠a

(2) Both ∠a and ∠d

(3) Only ∠c

(4) ∠a, ∠b and ∠d only

075 Read the given statements and choose the right option.
Statement A : All chords of a circle are diameters.
Statement B : Diameter is the longest chord of the circle.

(1) Only statement A is true.
(2) Only statement B is true.
(3) Both statements are true.
(4) Both statements are false.

SECTION – 'C' : GENERAL KNOWLEDGE

076 When was Bangladesh formed ?

(1) In 1971   (2) In 1905   (3) In 1970   (4) In 1947

077 Choose the correct option.
The United Nations (UN) was founded in _____.

(1) 1944   (2) 1945   (3) 1946   (4) 1947

078 Identify from the following, the disease related to brain.

(1) Meningitis   (2) Migraine   (3) Jaundice   (4) Diabetes

079 Choose the correct option.
Cow dung can be used as manure as it is rich in _____.

(1) Nitrogen   (2) Sugar   (3) Mercury   (4) Calcium

080 Which animal was represented on the mascot of the Delhi Asian Games 1982 ?

(1) Elephant   (2) Lion
(3) Panda   (4) Tiger

081 The deficiency of which of the following vitamins causes Rickets ?

(1) Vitamin - A   (2) Vitamin - D   (3) Vitamin - C   (4) Vitamin - B_{12}

082 Who was the first Governor General of Independent India ?

(1) Rajagopalachari   (2) Mahatma Gandhi
(3) Lord Mount Batten   (4) Jawaharlal Nehru

083 Identify the Indian Nuclear Physicist, who was the founding Director and Professor of Physics at the Tata Institute of Fundamental Research.

(1) Homi J. Bhabha   (2) Ramanujan
(3) Vikram Sarabhai   (4) Aryabhata

084 A sport where people use a board with small wheels is :
(1) Para motoring   (2) Sky diving   **(3) Skating**   (4) Skate boarding

085 This award is also known as the Lotus decoration and is India's second highest civilian award.
(1) Arjuna award   **(2) Padma Vibhushan**
(3) Bharat Ratna   (4) Ashok Chakra

086 _____ is the first sportsperson to win the Padma Vibhushan award in 2007.
(1) Vishwanathan Anand   (2) Sunil Gavaskar
(3) Kapil Dev   (4) Sachin Tendulkar

087 Choose the correct option to fill in the blank.
Mountains arranged in a line is known as _____.
(1) range   (2) fold mountain   (3) peak   (4) table mountain

088 Choose the correct option.
Water is known as the universal solvent because :
(1) It has many uses.
(2) It can remove all kinds of dust.
(3) It is the medium in which all body metabolism happens.
(4) It can dissolve many substances.

089 Animal which can survive without water for a long time in desert.
(1) Horse   (2) Cow   (3) Buffalo   **(4) Camel**

090 The only species where the males bear the young.
(1) Dolphin   (2) Whale   **(3) Sea horse**   (4) Tortoise

091 Singlis Chham dance is related to which state ?
(1) Assam   (2) Manipur   **(3) Sikkim**   (4) Kerala

092 The instrument used to measure the speed of a vehicle is :
(1) Speedometer   (2) Photometer   (3) Odometer   (4) Tachometer

093 Choose the correct option.
_____ is the fastest healing body part.
(1) Tongue   (2) Liver   (3) Large Intestine   (4) Skin

094 Ayodhya is located on the banks of the river :
(1) Ganges   **(2) Saryu**   (3) Godavari   (4) Yamuna

095 Choose the correct option.
Sanjana found that as a seed germinates and seedling turns into a young plant, the size of the seed leaves gradually becomes smaller.
It is because :
(1) The seed leaves are absorbed back into the seed coat.
(2) The sunlight withers the seed leaves.
(3) The food in the seed leaves has been used by the growing plant.
(4) None of these

096 Who appoints the Prime Minister of India ?
(1) The President of India   (2) Chief Election Commissioner
(3) The Chief Justice of India   (4) The Chief of Defence Staff

097 Kolkata is located on the banks of _____.
(1) Ganges   (2) Damodar   **(3) Hooghly**   (4) Padma

098 Choose the correct option.
This palace, located in Gwalior was built by the Maharaja of Gwalior Jayajirao Scindia. It has Italian and Tuscan style of architecture and is not a museum.
(1) Hawa Mahal Palace   (2) Umaid Bhawan Palace
(3) Lake Palace   **(4) Jai Vilas Palace**

099 In Ramayana, where did Lord Shri Ram marry Sita ?
(1) Ayodhya   (2) Panchvati   (3) Chitrakoot   **(4) Janakpur**

100 Choose the correct option.
Food is stored in the roots of _____.
(1) Potato   **(2) Sweet Potato**   (3) Onion   (4) Ginger

SECTION – 'D' : INTELLIGENCE

101 Find the missing term.

400, 388, 376, 364, _?_   (−12 each term)

(1) 352   (2) 350   (3) 354   (4) 372

102 Find the missing term.

3, 7, 16, 35, 74, _?_ $1^2+2, 2^2+3, 4$

(1) 153   (2) 160   (3) 173   (4) 151

103 Fill in the blank.

$7 = 3×2+1$ $16×2+3 = 35$
$16 = 7×2+2$ $35×2+4 = 74$
$74×2+5$

ADDG, EHHK, ILLO, MPPS, ____

(1) PRRT   (2) QUUX   (3) QTTW   (4) PSSV

104 Select the correct figure which will complete the given grid -

(1) ◆   (2) ◆   (3) ◆   (4) ◆

105 Complete the following analogy :

Book : Author :: Dish : _____

(1) Musician   (2) Chef   (3) Painter   (4) Artist

106 Complete the following analogy :

Flood : Drought :: Genius : _____

(1) Think   (2) Intelligence   (3) Brain   (4) Foolish

107 Identify the relationship in the first pair and find the missing term of the second pair.
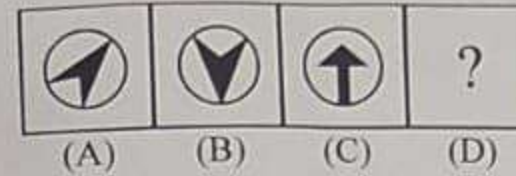
ADE : FGJ :: KNO : _?_

(1) PQR   (2) PQT   (3) RQP   (4) TPR

108 Complete the following analogy :
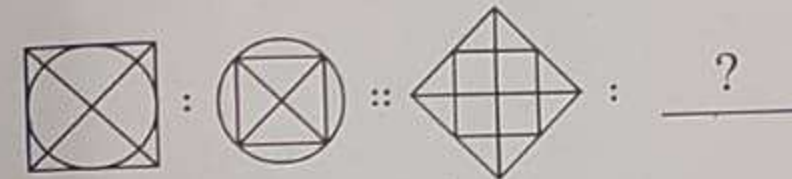
Cough : Throat :: Asthama : _____

(1) Kidney   (2) Lungs   (3) Head   (4) Liver

109 Figures A and B are related in a particular manner. Establish the same relationship between figure C and D by choosing a figure from the alternations, which replaces the question mark.
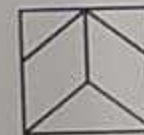

(A)   (B)   (C)   (D)

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

110 Complete the pattern :
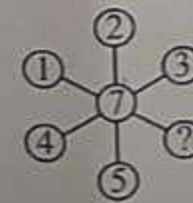

(1)   (2)   (3)   (4)

111 Which of the following shapes is a part of the given figure -

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

112 Which number replaces the question mark ?

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

113 Arrange the following in a Logical order from bottom to top.

(A) Knee

(B) Toes

(C) Calves

(D) Heel

(E) Ankle

Choose the correct answer from the options given below :

(1) (D), (E), (C), (B), (A)

(2) (B), (D), (E), (C), (A)

(3) (D), (A), (B), (C), (E)

(4) (B), (C), (E), (D), (A)

114 Arrange the given words as they occur in the dictionary -

(A) PRISTINE

(B) PRINTER

(C) PREVIOUS

(D) PREVENT

(E) PRIORITY

Choose the correct answer from the options given below :

(1) (B), (A), (C), (D), (E)

(2) (C), (D), (A), (E), (B)

(3) (D), (C), (B), (E), (A)

(4) (A), (E), (B), (C), (D)

115 Arrange the following in a logical order :

(A) Rain

(B) Cooling

(C) Condensation

(D) Heating

(E) Evaporation

Choose the correct answer from the options given below :

(1) (B), (A), (C), (D), (E)

(2) (E), (D), (A), (B), (C)

(3) (B), (C), (A), (D), (E)

(4) (D), (E), (B), (C), (A)

116 Which of the following is the water image of 5374 ?

(1) כ٤٦7 4

(2) ٣٥٦7 ٤

(3) ٢٣٦7 ٤

(4) ٤٣٥7 ٤

[Contd...

117 Complete the following analogy :

B : 4 :: G : __?__

(1) 36

(2) 17

(3) 18

(4) 49

118 Find the odd one out.

(1) Orange

(2) Earth

(3) Egg

(4) Basketball

119 Find the odd one out.

(1) 97

(2) 47

(3) 81

(4) 19

120 Pick the odd one out.

(1) Book

(2) Pencil

(3) Eraser

(4) Computer

121 Find the odd out.

(1)

(2)

(3)

(4)

122 Find the odd one out -

(1) Kanpur

(2) Vijaywada

(3) Ganga

(4) Guwahati

123 Choose the odd one out -

(1) Guitar

(2) Violin

(3) Sitar

(4) Flute

124 Complete the following analogy.

DGA : 12 :: AMQ : __?__

(1) 19

(2) 31

(3) 28

(4) 17

125 Find the missing number.

5 : 22 :: 8 : __?__

(1) 61

(2) 37

(3) 80

(4) 50

[Contd.

$5 \times 5 - 3 = 22$

$8 \times 5 - 3 = 37$