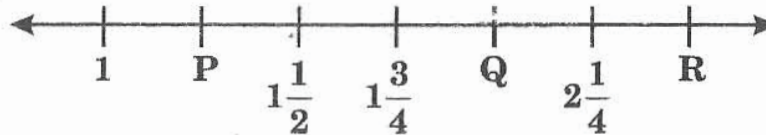


CLASS : V

MATHEMATICS

1. Figure below shows a number line.



The value of $P + Q + R$ is:

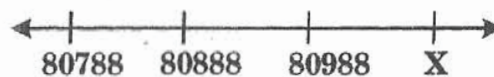
- (A) $5\frac{1}{4}$ (B) $5\frac{1}{2}$ (C) $5\frac{3}{4}$ (D) $6\frac{1}{4}$
2. The number $2 * 3 *$ has the same digit in the place of the asterisks and is divisible by 3. Which of the following digits should replace the asterisks?
(A) 6 (B) 7 (C) 8 (D) 9
3. Which multiplication is not correct?
(A) $\frac{1}{2} \times 4.12 \text{ l} = 2600 \text{ ml}$ (B) $\frac{2}{3} \times 2.19 \text{ l} = 1460 \text{ ml}$
(C) $\frac{3}{4} \times 3 \text{ l} = 2250 \text{ ml}$ (D) $\frac{4}{5} \times 2 \text{ l} = 1600 \text{ ml}$
4. In _____, digit 3 is in both the thousands place and tens place.
(A) 3,003 (B) 3,030 (C) 3,300 (D) 30,303
5. **Krishna** : What is your height, Mohan?

Mohan : $\frac{3}{4}$ of the height of Siva, and Siva is 160 cm tall.
What is your height?

Krishna : I am 155 cm tall. Karim's height is $\frac{4}{5}$ of my height.

Based on the above dialogues, who is the shortest?





- (A) Mohan (B) Karim (C) Krishna (D) Siva
6. Diagram below shows a number line.



What is the value of 'X'?

- (A) 81,008 (B) 81,088 (C) 81,889 (D) 81,988

7. Hussain is given Rs. 108 by his father. $\frac{1}{8}$ and $\frac{2}{5}$ of the money are used to buy a dictionary and a calculator respectively. How much money does Hussain spend on the two items?
 (A) Rs. 56.70 (B) Rs. 52.70 (C) Rs. 54.30 (D) Rs. 51.30
8. Given that $(p + 3)$ is the highest common factor of 81 and 108, find the value of p .
 (A) 6 (B) 9 (C) 12 (D) 24
9. Diagram below shows the prices of three items.

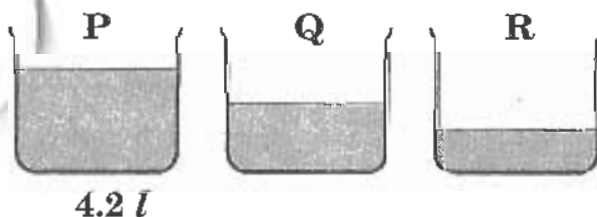
			
Rs. 120	Rs. 107	Rs. 345	?

The price of a camera is $\frac{3}{4}$ of the total price of the 3 items.
 Find the total price of all the items.

- (A) Rs. 1100 (B) Rs. 1091 (C) Rs. 1001 (D) Rs. 991
10. Put the symbols, '+', '-' and '×', in the circles, which of the options is the greatest possible whole number as the answer.

$$5 \bigcirc 6 \div 2 \bigcirc 4 \bigcirc 9$$

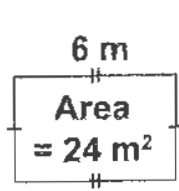
- (A) 20 (B) 10 (C) 8 (D) 38
11. The diagram shows the volumes of water in three beakers, P, Q and R. The volume of water in beaker Q is $\frac{2}{3}$ of the volume of water in P. The volume of water in beaker R is $\frac{1}{2}$ of that of Q.



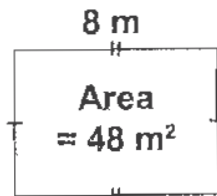
What is the total volume, in ml, of water in the three beakers?

- (A) 6300 (B) 7000 (C) 7350 (D) 8400

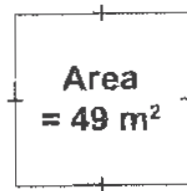
12. Which of the following shapes has the largest perimeter?



P



Q



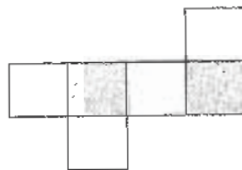
R



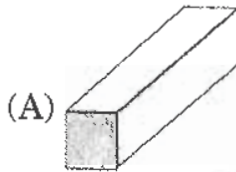
S

- (A) S only
(B) P and Q only
(C) S and R only
(D) R and Q only
13. If 84 is a common multiple of 4 and n , which of the following is not a value of n ?
(A) 6 (B) 7 (C) 21 (D) 24

14.



Which one of the following solids can be formed from the net shown above?



(A)



(B)



(C)



(D)

15. A container can hold 300 to 350 beads. Amar wants to fill 18 similar containers with beads. Estimate the total number of beads needed.

(A) 11700 (B) 5850 (C) 4680 (D) 3600

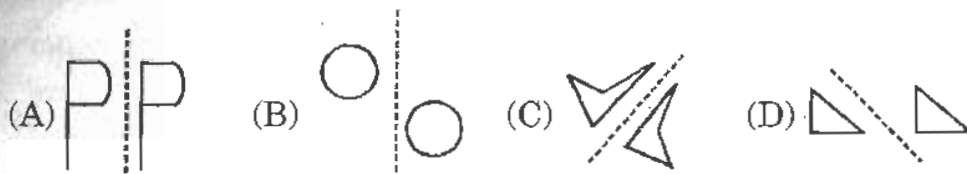
16.

$$\begin{array}{r}
 5 \ 6 \ 8 \ 0 \ 9 \\
 - \ 4 \ 3 \ X \ 4 \ 5 \\
 \hline
 1 \ 3 \ 2 \ 6 \ 4 \\
 - \quad \quad 8 \ 9 \ Y \ 8 \\
 \hline
 4 \ 2 \ 8 \ 6
 \end{array}$$

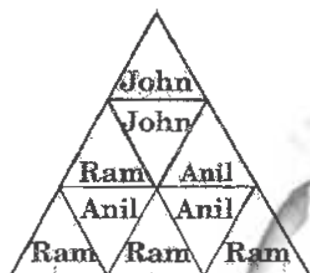
What is the value of X and Y?

- (A) $X = 5, Y = 8$ (B) $X = 5, Y = 7$ (C) $X = 4, Y = 7$ (D) $X = 6, Y = 7$
17. Which of the following gives the largest value?
(A) $\text{Rs. } 2450 + \text{Rs. } 980 - \text{Rs. } 1411$ (B) $\text{Rs. } 4020 - \text{Rs. } 2963 + \text{Rs. } 969$
(C) $(\text{Rs. } 7218 + \text{Rs. } 882) \div 4$ (D) $\text{Rs. } 3090 - \text{Rs. } 354 \times 3$

18. Which of the following figures shows a reflection in the dotted line?



19. Figure below represents the savings of four pupils. The triangles are of equal size. Ram has savings of Rs. 420.



Savings of Anil is:

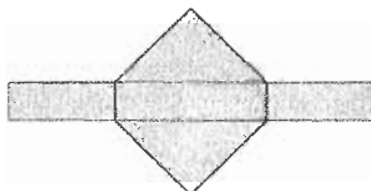
- (A) Rs. 105 (B) Rs. 295 (C) Rs. 210 (D) Rs. 315
20. Table below shows the population in a district.

American	Chinese	Indian
6459	4234	1351

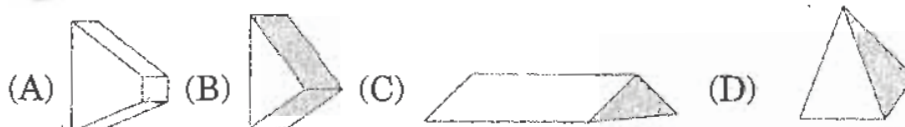
What is the difference between the total population of Chinese and Indians with the population of Americans?

- (A) 774 (B) 847 (C) 874 (D) 9342
21. Mrs. Gupta cooked $\frac{3}{8}$ of the spinach she bought. She had 0.48 kg of spinach left. Find the mass, in g, of spinach bought by her.

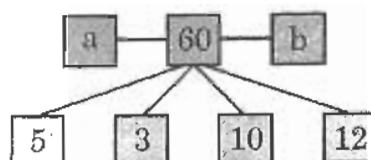
- (A) 720 (B) 768 (C) 1200 (D) 1280
22. The diagram below shows a net of a solid.



Which one of the following solids can be formed by the net?

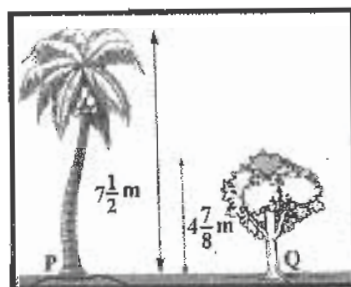


23. The diagram shows some of the factors of 60.



The possible values of a and b are:

- (A) $a = 2, b = 16$ (B) $a = 4, b = 20$
 (C) $a = 6, b = 25$ (D) $a = 8, b = 30$
24. The figure shows the height of two trees P and Q.



How much taller, in m, is the tree P than the tree Q?

- (A) $3\frac{2}{3}$ (B) $2\frac{5}{8}$ (C) $2\frac{1}{4}$ (D) $1\frac{7}{8}$
25. The figure shows the masses of the salt and pepper bought by Sravan. Sravan filled packet P with $\frac{3}{4}$ of the salt and packet Q with $\frac{2}{5}$ of the pepper.



Find the total mass, in g, of the salt and pepper in the two packets.

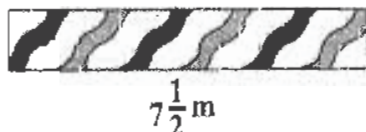
- (A) 1400 (B) 950 (C) 910 (D) 700
26. Two defective clocks, A and B, were set to the same time at the same time. Clock A lost 2 minutes per hour whereas Clock B gained 1 minute per hour. When the times on the 2 clocks were noted again, they were 1 hour apart. How much time had past?
- (A) 20 hours (B) 10 hours (C) 5 hours (D) 12 hours

27. An aeroplane took 4 hours 40 minutes to fly from city X to city Y. The aeroplane arrived at city Y at 0025 hours. Calculate the departure time from city X.
(A) 7: 45 p.m. (B) 8: 15 p.m. (C) 8: 15 a.m. (D) 7: 45 a.m.
28. Given $3830 \div P = 191$ remainder 10. The value of P is:
(A) 10 (B) 20 (C) 30 (D) 38
29. Figure below shows an incomplete bill of the items bought by Mary. She paid the shopkeeper Rs. 50.

Quantity	Item	Price per kg	Price
1.5 kg	Biscuits	Rs. 9.00	
4 kg	Beans	Rs. 3.50	
1 kg	Cooking oil	Rs. 4.80	

What else can she buy with the balance of the money?

- (A) 3 kg of biscuits
(B) 5 kg of beans
(C) 4 kg of cooking oil
(D) 1 kg of biscuit and 2 kg of cooking oil
30. Which of the following statements is not true?
(A) The sum of an odd number and another odd number is an even number
(B) The difference between an odd number and another odd number is an even number
(C) The difference between an even number and another even number is an odd number
(D) The product of an odd number and an even number is an even number
31. The diagram shows the length of a piece of cloth. After using a certain length of the cloth to sew a few skirts, $1\frac{3}{4}$ m of the cloth is left.



Find the length, in m, of cloth that is used to sew the skirts.

- (A) $5\frac{4}{5}$ (B) $5\frac{3}{4}$ (C) $6\frac{1}{4}$ (D) $6\frac{3}{4}$

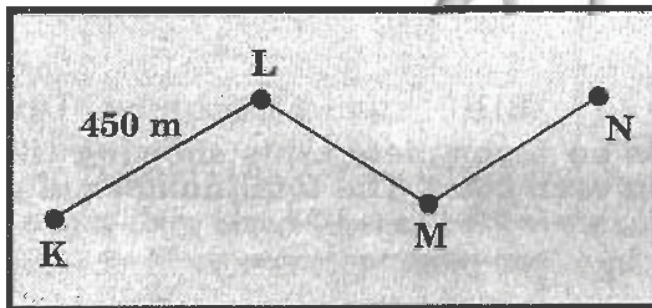
32.

There are 124 fiction books and
64 non-fiction books.
There are altogether 288 books.

Fraction of books that are non-fiction books is:

- (A) $\frac{64}{124}$ (B) $\frac{2}{9}$ (C) $\frac{124}{288}$ (D) $\frac{5}{24}$

33. The figure shows the road map of four places, K, L, M and N. The distance from K to L is the same as the distance from L to M. The distance from M to N is $\frac{1}{3}$ of the distance from K to M.



What is the distance, in km, from K to N?

- (A) 1.20 (B) 1.05 (C) 1.10 (D) 0.30

34.

$$\begin{array}{r} 1P5Q \\ \times \quad 3 \\ \hline 4968 \end{array}$$

From the multiplication shown above, what is the value of $P \times Q$?

- (A) 12 (B) 36 (C) 42 (D) 66

35. 23, J, K, L, M, 43 is a list of prime numbers arranged in an ascending order. Which of the letters is equivalent to 37?

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

36. What is the missing number in the box?

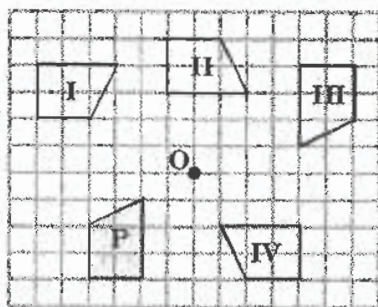
$$3\frac{3}{4}, 3\frac{1}{2}, \boxed{?}, 3, 2\frac{3}{4}$$

- (A) $3\frac{2}{3}$ (B) $3\frac{1}{4}$ (C) $3\frac{2}{5}$ (D) $3\frac{1}{6}$

37. Number of lines of symmetry for the figure below are:



- (A) 0 (B) 1 (C) 2 (D) 3
38. The figure below shows is drawn on square grids. Which of the figures I, II, III and IV is the image of P under a rotation about the point O?

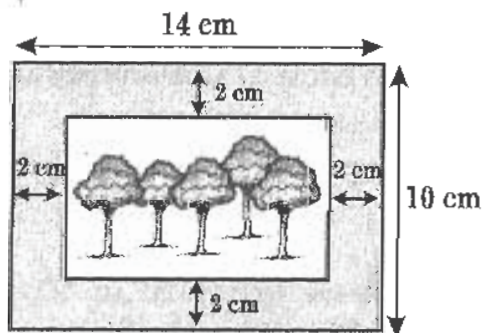


- (A) I (B) II (C) III (D) IV
39. Below is an incomplete table showing the number of pupils in each class. The total number of pupils in the three classes is 99. Class IV has 2 girls more than class V.

Class	Boy	Girl
IV	15	
V	13	
VI	18	15

The number of pupils in class V is :

- (A) 35 (B) 31 (C) 33 (D) 29
40. 2 tens = _____
- (A) $2000 \div 10$ (B) $2000 \div 100$ (C) $2000 \div 1000$ (D) $200 \div 100$
41. The figure shows a framed picture.



Find the area of the picture in cm^2 .

- (A) 96 (B) 80 (C) 72 (D) 60

42. The table shows the masses of green beans and red beans.

$\frac{4}{9}$ of the total mass of the green and red beans are taken out.

Green Bean	Red Bean
4.35 kg	3.75 kg

How many kilograms of beans are left?

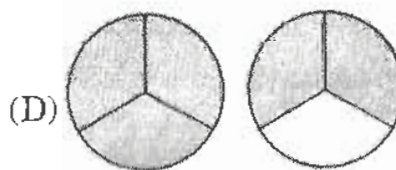
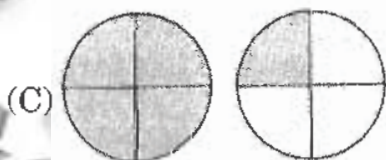
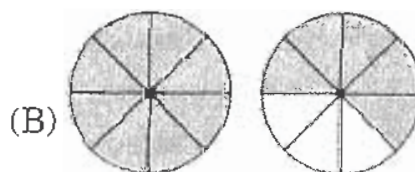
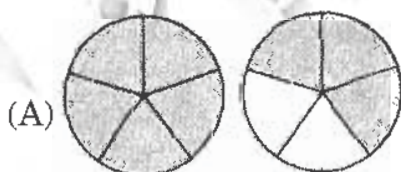
- (A) 3.6 (B) 4.5
(C) 4.8 (D) 8.1
43. The table below shows the parking charges at a car park.

Parking Rates	
1st hour	Rs. 1.00
Additional $\frac{1}{2}$ hour or part thereof	Rs. 0.60

Mr. Kiran left the car park at 4: 10 p.m. and paid Rs. 5.80 for parking his van at the car park.

At what time was he most likely to have parked his van at the car park?

- (A) 11 a.m. (B) 12 noon (C) 11: 30 a.m. (D) 12: 30 p.m.
44. Which of the following shows that eight fifths of the figure are shaded?



45. At what time from the given will be a straight angle between the minute and the hour hand?

- (A) 3 O'clock (B) 9 O'clock
(C) 6 O'clock (D) 7 O'clock

CLASS : V**GENERAL SCIENCE**

46. A shadow is formed when light is blocked by:
(A) a piece of cardboard (B) a glass pane
(C) a piece of transparent paper (D) a magnifying glass
47. Which of the following muscles are called voluntary muscles?
(A) Muscles of stomach (B) Muscles of intestine
(C) Muscles of arm (D) Muscles of heart
48. Some things were buried in wet ground. Several years later they were dug up. Which thing is most likely to have stayed the same?
(A) An egg shell (B) A paper cup
(C) A vegetable peel (D) A plastic glass
49. Rishi wants to get salt from seawater along the seashore. How can he separate salt from the seawater?
(A) By stirring (B) By boiling
(C) By sieving (D) By freezing
50. Observe the figures given below.



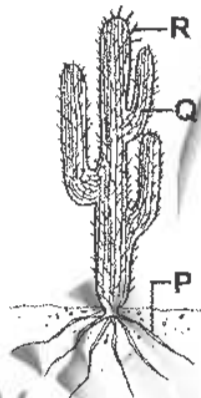
- How do these animals protect themselves from their enemies?
- (A) They live in groups
(B) They pretend to be dead
(C) They give off bad smell
(D) They attack their enemies with their claws
51. A ripe guava on a tree fell to the ground. What force acted on guava?
(A) Friction (B) Gravity
(C) Magnetic (D) All of the above

52. The organism given below is an example of a :



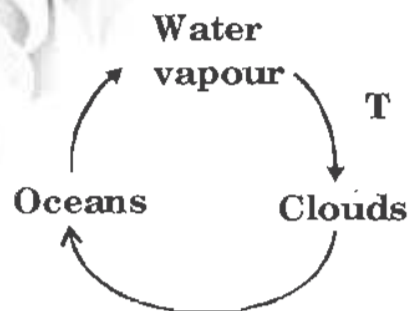
- (A) food producer (B) decomposer
(C) fungi (D) predator

53. Cacti have many adaptations to help them survive in a desert habitat. Which of the labelled part(s) of the cactus help(s) it to reduce water loss to the hot and dry surroundings?



- (A) R only (B) Q only
(C) R and Q only (D) P, Q and R

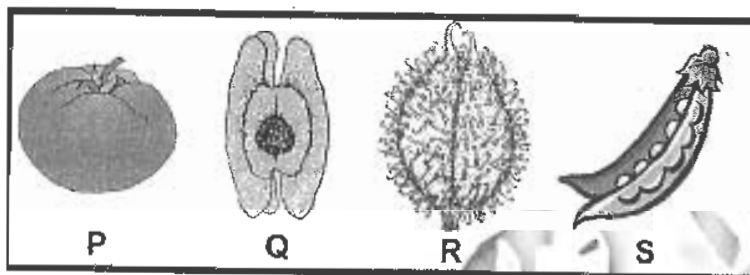
54. The diagram below shows part of the water cycle.



What is the process taking place at 'T'?

- (A) Melting (B) Condensation
(C) Evaporation (D) Precipitation

55. A carpenter had a mixture of small iron nails and saw dust. Which of the following is the easiest way to separate iron nails from the saw dust?
- (A) Use a magnifying glass (B) Freeze the mixture
(C) Use a magnet (D) Heat the mixture
56. The figures given below show four different fruits/seeds.



- Which two fruits/seeds are dispersed by animals?
- (A) P and Q (B) Q and R (C) P and R (D) R and S
57. For the compound water, the temperature 0°C is its:

P – Boiling point
Q – Freezing point
R – Melting Point

- (A) P and Q only (B) P and R only
(C) Q and R only (D) P, Q and R
58. Study the figure given below.



Which of these help in making a fountain as shown in the figure?

- (A) Water (B) Air pressure
(C) Straws (D) Cork

59. Which of the following does NOT help to reduce friction?
(A) Grease (B) Soapy water (C) Oil (D) Sand
60. Which of the following is the Earth's most important source of energy?
(A) Fuel (B) Sun (C) Running water (D) Wind
61. Which of the following is the importance of the layer marked 'X' in the figure given below?



- (A) The layer 'X' provides living things with oxygen to breathe
(B) It protects the Earth from asteroids
(C) It gives out heat
(D) It is useful only to plants
62. Look at the figure given below.

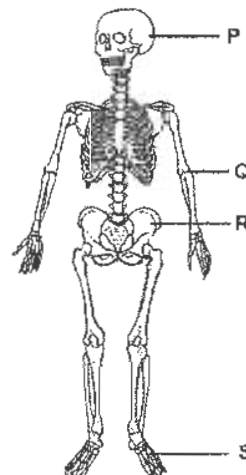


It has few predators because of its:

- (A) big feet (B) little eyes (C) thick shell (D) large mouth
63. The figure given is the human skeletal system.

At which joint (P, Q, R and S) can the movement be only like the opening and closing of a door?

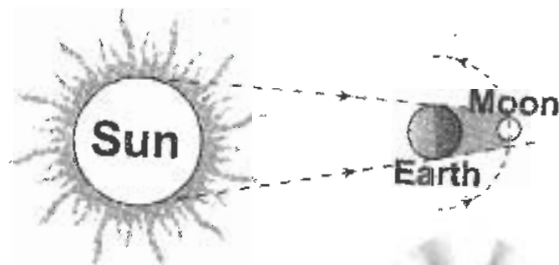
- (A) P
(B) Q
(C) R
(D) S



64. Which class of levers is scissors?

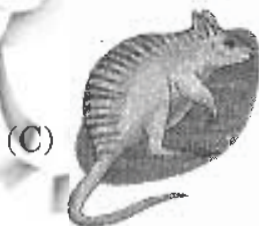
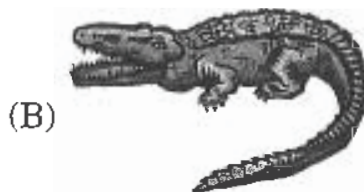
- (A) First class lever (B) Second class lever
(C) Third class lever (D) Both (B) and (C)

65. The diagram given below shows the position of the Sun, the Earth and the Moon.



Which of the following occurs when the positions of the Sun, the Earth and the Moon are as shown in the diagram.

- (A) Eclipse of the Sun
(B) Eclipse of the Earth
(C) Eclipse of the Moon
(D) All of these
66. Which of the following actions involve a consumer and producer in a food chain?
- (A) A frog feeding on an insect
(B) A rabbit eating a carrot
(C) A boy consuming milk
(D) A cat feeding on a mouse
67. Which of the following animals is a mammal?

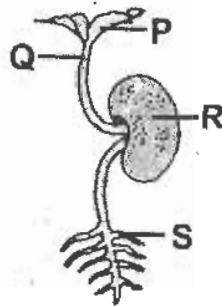


68. Which of the senses must be protected when observing a solar eclipse?
- (A) Touch (B) Taste
(C) Sight (D) Smell
69. Plants in cold regions shed leaves during _____ season.
- (A) summer (B) autumn
(C) spring (D) rainy
70. The figure given below shows plants and animals in a habitat.



- Which of the following is a correct food chain based on the picture?
- (A) Seeds → chicken → eagle
(B) Seeds → eagle → snake
(C) Leaves → snake → eagle
(D) Chicken → seeds → snake
71. John met with an accident and had a fracture.
- Which of the following clearly gives the fracture details to the doctor?
- (A) Blood report (B) An X-ray (C) Muscle test (D) Urine report
72. When does land breeze blow?
- (A) In the morning
(B) When the sun shines directly overhead
(C) In the evening
(D) During the night

73. The seed given below germinates under right conditions.



Which of the labelled parts would have grown first?

- (A) P (B) Q (C) R (D) S
74. Which of the following precautions you should take if diarrhoea spreads rapidly through your town?
- (A) Cover open buckets of water
(B) Drink only clean boiled water
(C) Cover your nose while you sneeze
(D) Spray insecticides around your house
75. When you get sick, your body tissues become weak. What should you take to build and repair the damaged tissues?
- (A) Water (B) Roughage
(C) Proteins (D) Fats
76. Which of the following is NOT matter?
- (A) Gas (B) Plastic bag
(C) Water (D) Sound
77. The moon produces no light yet it shines at night because:
- (A) it reflects light from the Earth
(B) it reflects light from the Sun
(C) it absorbs light from the Sun
(D) it reflects light from the Comet
78. Which of the following practices is bad for the soil?
- (A) Cultivating the soil
(B) Throwing animals manure in the soil
(C) Planting more trees
(D) Burying plastic in the soil

79. Which of the following is NOT a characteristic feature of birds?
- (A) Presence of feathers (B) Presence of hollow bones
(C) Presence of teeth (D) Presence of wings
80. Which of these is a natural resource?
- (A) Coal (B) Plastic
(C) Cloth (D) Brick
81. Which layer of soil is good to cultivate vegetables?
- (A) Bedrock (B) Topsoil
(C) Subsoil (D) Sand
82. Which of the following adaptations protect a stick insect from its enemies?
- (A) Hibernation (B) Having thick fur
(C) Camouflage (D) By migrating
83. Which of the following controls the reflex actions?
- (A) Bones (B) Sense organs
(C) Spinal cord (D) Brain
84. Simran took out a piece of butter from the refrigerator and left it on a table for few hours. She then put the butter back into the refrigerator. Which of the following changes did the butter undergo?
- (A) Solid → liquid → gas (B) Solid → liquid → solid
(C) Solid → gas → solid (D) Liquid → solid → liquid
85. Observe the figure given below.



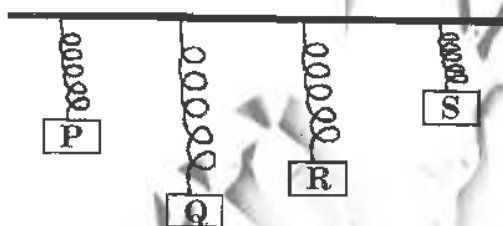
It reproduces from:

- (A) the buds on the root (B) the buds on the stem
(C) the seeds (D) the buds on the leaf

86. What kind of pollution is being caused if a factory releases waste products into a nearby stream?
- (A) Air pollution (B) Noise pollution
(C) Water pollution (D) Soil pollution
87. In humans, deficiency of which of the following vitamins show the symptoms given below ?

The bones become soft and bend

- (A) Vitamin C (B) Vitamin D
(C) Vitamin A (D) Vitamin B
88. Observe the figure given below.
Four blocks (P, Q, R & S) are suspended to the identical springs.



- Which of the following blocks is the heaviest?
- (A) P (B) R (C) S (D) Q
89. Arteries, veins and capillaries along with blood form the:
- (A) circulatory system (B) nervous system
(C) respiratory system (D) excretory system
90. Which of the following is NOT a viral disease?
- (A) Polio (B) Measles
(C) Common cold (D) Typhoid

CLASS : V**GENERAL QUESTIONS**

91. Which number should come in the empty box in the number series given below?

2, 7, 15, 26, 40, ?

- (A) 57 (B) 54 (C) 53 (D) 49

92. Which letter should come in place of the question mark in the following series?

B, D, G, K, ?, V

- (A) L (B) O (C) N (D) P

93. The old name for Iran was:

- (A) Malay (B) Persia
(C) Siam (D) Angola

94. Which of the following animals is the symbol of the World Wildlife Fund for Nature?

- (A) Horse (B) Elephant
(C) Lion (D) Giant Panda

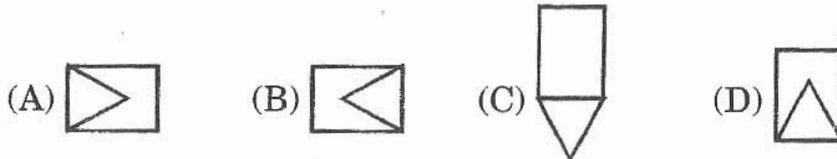
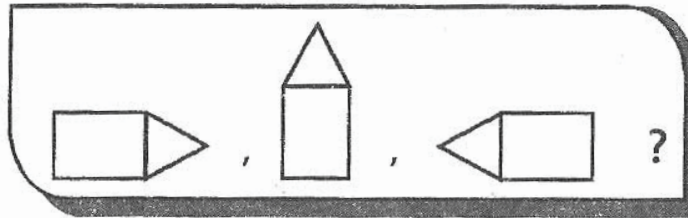
95. Which of the following places and their capitals is wrongly mentioned?

- (A) Mexico-Mexico city
(B) Panama-Panama city
(C) Singapore-Singapore city
(D) None of the above

96. Who among the following created works like 'Noddy' and 'The Famous Five'?

- (A) Enid Blyton (B) Oliver Twist
(C) Sherlock Homes (D) R.K. Narayan

97. Which figure should come next in the sequence given below?



98. With which musical instrument would you associate Shiv Kumar Sharma?

- | | |
|-----------|-------------|
| (A) Sitar | (B) Santoor |
| (C) Flute | (D) Tabla |

99. Jataka tales are about the lives of :

- | | |
|-----------------|-------------------|
| (A) Lord Rama | (B) Lord Mahavira |
| (C) Lord Buddha | (D) Lord Krishna |

100. Euro, Baht, Rial and Taka are:

- | | |
|----------------|---------------|
| (A) currencies | (B) captials |
| (C) countries | (D) languages |