Class - 5   *Mathematics*

01 Identify the number name for 123,080,603.

(A) One two three eighty thousand six hundred and three.

(B) One hundred twenty three million eight thousand six hundred and three.

(C) One hundred twenty three million eighty thousand six hundred and three.

(D) One twenty three million eighty thousand six hundred.

02 What is the missing digit in 3 ☐ 6013 if 3 ☐ 6013 = 300000 + 70000 + 6000 + 0 + 10 + 3 ?

(A) 3   (B) 6   (C) 1   (D) 7

03 Which of the following sets of numbers have the same H.C.F. ?

(A) Q and R

(B) P and R

(C) R and S

(D) P and Q

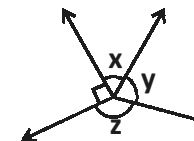| 60		120	135
650	230	180	315
250	450	240	495
P	**Q**	**R**	**S**

04 Bhanu bought $\frac{2}{3}$ m of ribbon to wrap 5 presents. He used the same amount of ribbon for each present. What was the length of ribbon used for each present ?

(A) $\frac{2}{17}$m   (B) $\frac{2}{15}$m   (C) $\frac{7}{15}$m   (D) $\frac{3}{17}$m

05 If 2805 ÷ 2.55 = 1100, find the quotient of 280.5 ÷ 25.5.

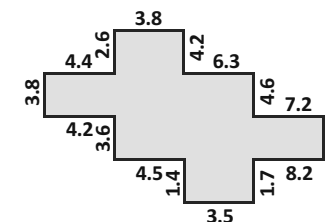(A) 1.1   (B) 1.01   (C) 0.11   (D) 11

06 Observe the figure. What is the measure of x + y + z ?

(A) 90°   (B) 270°   (C) 360°   (D) 180°

07 What is the perimeter of the given figure if all the measures are in cm ?

(A) 68.2 cm

(B) 68.1 cm

(C) 86.3 cm
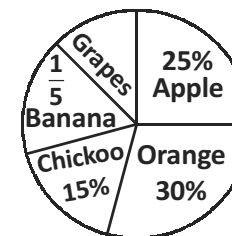
(D) 68.3 cm

08 How many equal divisions are there on the Celsius scale ?

(A) 1000   (B) 50   (C) 100   (D) 200

09 Rajesh left the office 1 h 25 min before noon. What time did Rajesh leave the office ?

(A) 10: 35 a.m.   (B) 11: 35 a.m.

(C) 01: 25 p.m.   (D) 10: 35 p.m.

10 What is the ratio of the number of students who choose the most popular fruit to the number of students who choose the least popular fruit ?

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

11 Tanish had ₹ 63. He wanted to buy 9 pens but he needed ₹ 18 more than what he had to buy them. How much did 1 pen cost ?

(A) ₹ 2　　(B) ₹ 5　　(C) ₹ 7　　(D) ₹ 9

12 A ball with 5 m circumference needs _____ turns to roll 1 km in a straight line.

(A) 400　　(B) 314　　(C) 200　　(D) 100

13 Which of the following statement is true?

(i) All pair of prime numbers are co-primes.

(ii) All co-prime numbers are twin primes.
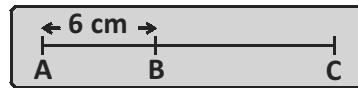
(iii) All co-prime numbers are pair of composite numbers.

(A) only (i)　　　　　(B) only (iii)

(C) only (i) and (ii)　　(D) only (ii) and (iii)

14 In a car park, there were 100 vehicles, all were cars and motorcycles. If the total number of wheels were 250, how many cars were there ?
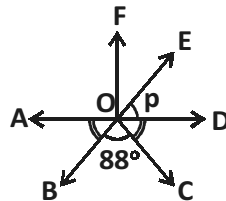
(A) 35　　(B) 25　　(C) 75　　(D) 65

15 Observe the line segment given. If the ratio of the length of AB to the length of BC is 2 : 5, find the length of AC.

(A) 21 cm　　(B) 15 cm

(C) 30 cm　　(D) 9 cm

16 AD and BE are straight lines. Given that ∠AOB = ∠DOC, find ∠p.

(A) 44°

(B) 46°

(C) 51°

(D) 92°

17 Find the difference between $\frac{3}{4}$ of 9000 and $\frac{2}{3}$ of 900.

(A) 5325　　(B) 6075　　(C) 6150　　(D) 8100

18 Which of the following are supplementary angles ?

(A) 40° and 50°　　　　(B) 35° and 155°

(C) 0° and 180°　　　　(D) 70° and 90°

19 What is the measure of the third angle in a right angled triangle, whose one angle is 52° ?

(A) 38°　　(B) 48°　　(C) 52°　　(D) 88°

20 Martin has the same number of 10 paise and 50 paise coins. The total value of all the coins is ₹ 30. How many coins does Martin have altogether ?

(A) 50　　(B) 100　　(C) 180　　(D) 360

21 Average age of A, B and C is 10 years. If the average age of A and C is 9 years, how many years old is B ?

(A) 9　　(B) 10　　(C) 11　　(D) 12

22 $\frac{(11 + A)}{(97 - 94)} = 5$. What number is A ?

(A) 4　　(B) 5　　(C) 9　　(D) 8

23 A cycle travels at a speed of 45 km/h. How far will it travel in 36 minutes ?

(A) 27 km　　(B) 20 km　　(C) 36 km　　(D) 45 km

24 What is the value of $14 + \frac{8}{10} + \frac{108}{100} + \frac{345}{1000}$?
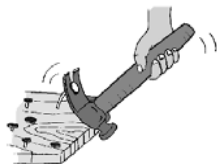
(A) 16.225　　(B) 15.262　　(C) 16.252　　(D) 16.255

25 Gopal reads $\frac{3}{5}$ of a book. He has still 80 pages to be read to complete reading the book. How many pages are there in the book ?

(A) 200　　(B) 100　　(C) 400　　(D) 300

Class - 5 **General Science**

26 Study the given figure. In this case the hammer acts as a

(A) Ist order lever

(B) IInd order lever

(C) Inclined plane

(D) Pulley

27 Which gas helps in burning ?

(A) Hydrogen (B) Carbon dioxide

(C) Oxygen (D) Nitrogen

28 Which of the following statements is/are true about the earthworms ?

(A) They are nature's gardeners

(B) They loosen the soil and help to aerate it

(C) They enrich the soil with their waste matter

(D) All of these

29 Ravi observed water droplets on the leaves of a plant on a cold morning as shown in the figure given below. The water droplets are formed by the

(A) condensation of water vapour in air.

(B) freezing of water in leaves.

(C) evaporation of water from leaves.

(D) all of these.

30 How are the given agents useful to plants ?

+ Water + Explosive mechanism
+ Wind + Animals

(A) Provide food

(B) Produce spores

(C) Germination of seeds

(D) Disperse seeds

31 An ice pack is applied in the case of

(A) bruises. (B) nose bleeding.

(C) knee cut. (D) head ache.

32 Why can't green plants live without sunlight ?

(A) They cannot breathe without sunlight

(B) They cannot move without sunlight

(C) They cannot prepare food without sunlight
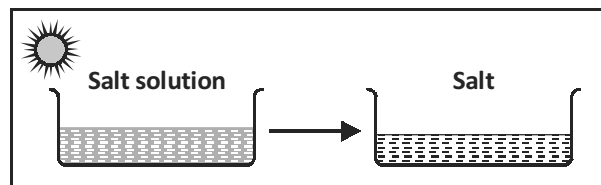
(D) The cannot transport food without sunlight

33 How are our teeth useful to us in the digestive system ?

(A) They enhance the taste of food.

(B) They help to tear, chew and grind the food into smaller pieces.

(C) They produce digestive juices.

(D) They help to roll the food particles into balls to ease swallowing.

34 Which force acts on wood to float when immersed in water ?

(A) Gravitational force (B) Buoyant force

(C) Frictional force (D) Mechanical force

35 What process is being shown in the given figure ?

(A) Evaporation   (B) Condensation

(C) Melting   (D) Sedimentation

36 In a campaign to save the environment, the following habits are encouraged. What is the aim of the campaign ?

(A) To conserve petrol

(B) To use more plastic

(C) To save the forest

(D) To avoid water pollution

> ✦ Reduce the use of paper
> ✦ Recycle newspaper
> ✦ Reuse paper bags

37 Image of an object is formed on which part of the eye ?

(A) Iris (B) Pupil (C) Retina (D) Eyelids

38 Which joint helps Sunitha to move her head ?
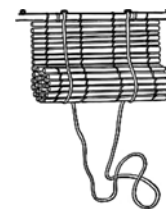

(A) Pivot   (B) Hinge

(C) Sliding   (D) Ball and socket

39 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

40 Karuna uses a downward pulling force on the rope to make the blind go up. Which simple machine is being used ?

(A) Lever (B) Screw

(C) Pulley (D) Ramp

41 Which rock is formed by the metamorphism of granite ?

(A) Quartzite   (B) Gneiss

(C) Marble   (D) Slate

42 Which of these food is rich in vitamin C ?

(A) Rice (B) Oranges (C) Fish (D) Carrot

43 Which of the following animals breathe through skin ?

(A) Snake   (B) Earthworm

(C) Scorpion   (D) Whale

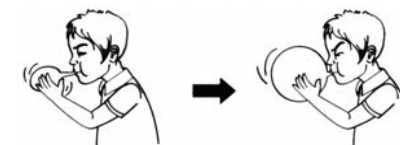**44** Which one of the following shows the correct stages in the life cycle of a plant when a seed is planted ?

(P) Leaves appear. **(Q) Roots appear.**

(R) Flowers appear. **(S) Fruit appear.**

(T) Shoot appears.

(A) $P \rightarrow T \rightarrow R \rightarrow Q \rightarrow S$ (B) $Q \rightarrow T \rightarrow P \rightarrow R \rightarrow S$

(C) $R \rightarrow S \rightarrow Q \rightarrow T \rightarrow P$ (D) $Q \rightarrow T \rightarrow P \rightarrow S \rightarrow R$

45 Balu blew a balloon as shown below.

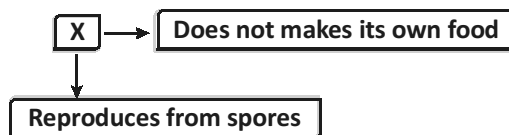He had shown that air

(A) has mass.

(B) takes up space.

(C) can be held.

(D) has movement.

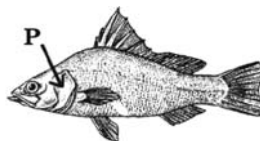**46** Study the given concept map. Which of the following could X be ?

(A) Mould

(B) Mushroom

(C) Rhizopus

(D) All of these

X → Does not makes its own food

Reproduces from spores

47 Which of the following actions involve a consumer and a producer in a food chain ?

(A) A frog feeding on a grasshopper.

(B) A grasshopper eating grass.

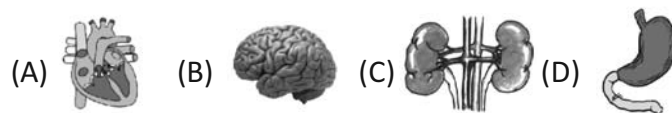(C) A snake feeding on a frog.

(D) An eagle feeding on a snake.

48 The given figure shows a fish.

How does the structure labelled P help the fish ?

(A) To swim   (B) To breathe

(C) To find direction   (D) To balance its body

49 Identify the controlling centre of the body.

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

50 I undergo periodic changes. I am the one who is responsible for tides. I am the king of night but I beg light from the sun. Who am I ?

(A) The earth   (B) The star

(C) The moon   (D) The sun

51 Which of the following changes is possible with the application of heat ?

(A) Water changes to ice.

(B) Water vapour changes to ice.

(C) Ice changes to water.

(D) Water vapour changes to water.

52 Which gas in the air is represented by part A ?

A 78%	B 21%	C 1%

(A) Nitrogen   (B) Oxygen

(C) Carbon dioxide   (D) Water vapour

53 In which of the following processes is oxygen used up ?

(I)	Burning
(II)	Respiration
(III)	Photosynthesis

(A) Only III   (B) Only I and III

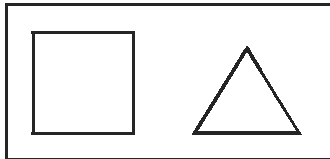(C) Only I and II   (D) Only II and III

54 The nerves that carry messages from the brain to the muscles and glands is

(A) Sensory neve   (B) Mixed nerve

(C) Motor nerve   (D) All of these
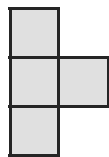
55 Which of these rocks is used as fuel ?

(A) Shale   (B) Gneiss

(C) Coal   (D) Quartz

Class - 5   *Critical Thinking*

56 After Rajesh gave Mahesh the same amount of amount that he had, they both had a total of ₹ 20 each. How much did Rajesh originally have ?

(A) ₹ 50   (B) ₹ 40   (C) ₹ 30   (D) ₹ 20

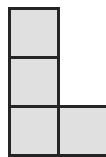**57** Find the shape that cannot be made by overlapping the two given figures.

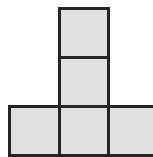(A)   (B)   (C)   (D)

58 Find the total number of wooden blocks used in a figure with the following top, front and side views.
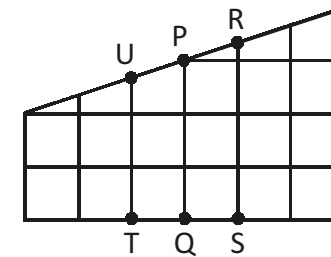

Top   Front   Right side

(A) 8   (B) 6   (C) 5   (D) 4

Space for Rough Work

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59 A clock takes 12 seconds to chime 4 times at 4'O clock. How long does it take to strike 7 times ?

(A) 16 seconds   (B) 18 seconds

(C) 20 seconds   (D) 24 seconds

60 Which two points in the figure must be joined to divide the complete region into two identical parts ?

(A) US   (B) RT   (C) RQ   (D) PS

Space for Rough Work