

Sample Paper

Class 6 (Pre-Foundation)

Duration: 2 Hrs

Maximum Marks: 200

For Students presently in Class 5 (Stream: Pre-Foundation)

PAPER SCHEME:

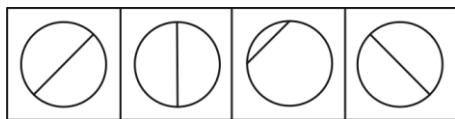
- The paper contains **40 Objective Type Questions** divided into three sections: **Section - I, Section – II and Section – III.**
- **Section I** contains **5 Multiple Choice Questions (1-5)** based on **Mental Aptitude**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE CHOICE** is correct.
- **Section II** contains **15 Multiple Choice Questions (6-20)** based on **Science**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE CHOICE** is correct.
- **Section III** contains **20 Multiple Choice Questions (21-40)** based on **Mathematics**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE CHOICE** is correct.

MARKING SCHEME:

- **Section I, II & III :** For each question, **5 marks** will be awarded for correct answer and **–1 negative marking** for incorrect answer.

SECTION - I [MENTAL APTITUDE]

1. Choose the figure which is different from the rest.



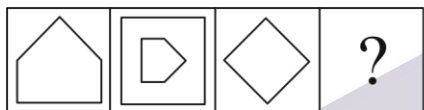
(1) (2) (3) (4)

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

2. In this question consists of two sets of figures. Figures A, B, C and D constitute the Problem Set while figures 1, 2, 3, 4 constitute the Answer Set. There is a definite relationship between figures A and B. Establish a similar relationship between figures C and D by selecting a suitable figure from the Answer Set that would replace the question mark (?) in figure (D).

Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



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

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

3. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C?
- (A) Father (B) Brother (C) Uncle (D) Grandfather

4. Choose the alternative which is closely resembles the water-image of the given combination.
- monday

- (1) y a d n o m (2) v s b n o m (3) λ e q u o w (4) w o n q s λ
- (A) 1 (B) 2 (C) 3 (D) 4

5. If air is called green, green is called blue, blue is called sky, sky is called yellow, yellow is called water and water is called pink, then what is the color of clear sky?

- (A) Blue (B) Sky (C) Yellow (D) Water

SECTION - II [SCIENCE]

6. The muscles found in front of your thighs are known as :

- (A) Iris (B) Cerebrum (C) Quadriceps (D) Melanin

7. Read the statements carefully and choose the correct option :

Statement A : There are 2 stomachs in the human body.

Statement B : There are 2 lungs in the human body.

- (A) A is true (B) B is true
(C) Both A and B are true (D) Both A and B are False

8. Match the following :

Column - I		Column - II	
A	Lungs	1	Urinary system
B	Kidneys	2	Nervous system
C	Stomach	3	Respiratory system
D	Brain	4	Digestive system

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

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

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

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

9. What simple machine uses a slanted surface that connects a lower level to a higher level ?

(A) Inclined Plane

(B) Screw

(C) Wedge

(D) Lever

10. A dry comb after combing the hairs is brought near the tiny pieces of paper, what happens?

(A) The paper pieces will get repelled due to magnetic force

(B) The paper pieces will get repelled due to electrostatic force

(C) The paper pieces will get attracted and stick with comb due to electrostatic force

(D) The paper pieces will get attracted to comb due to friction force

11. Which of the followings are example of levers?

(i) Scissors

(ii) bottle opener

(iii) nail cutter,

(iv) forceps.

(A) (i) and (iv)

(B) (ii) and (iv)

(C) (i), (ii) and (iii)

(D) (i), (ii), (iii) and (iv)

12. Which of the following takes place when water vapour changes into ice?

(A) Condensation

(B) Vaporisation

(C) Desublimation

(D) Evaporation

13. Which of the following is a physical change?

(A) Melting of ice

(B) Baking of Cake

(C) Breaking of Glass

(D) Both A and C

14. Which of the following can be compressed easily?

(A) A block of wood

(B) A glass of milk

(C) Balloon filled with air

(D) All of these

15. Which disease is caused by vitamin B1 deficiency?

(A) Rickets

(B) Beriberi

(C) Pellagra

(D) Gingivitis

16. Deficiency of which element is caused by using purgatives on a regular basis?

(A) Iron

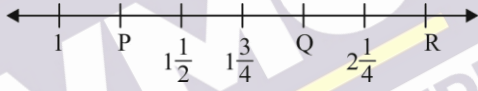
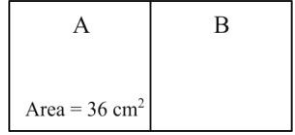
(B) Potassium

(C) Iodine

(D) Sodium

17. Select the group of diseases that spread by the same means or have the same cause :
- (A) Goitre, Anaemia , Scurvy (B) Dengue , Malaria , Night Blindness
(C) Cholera, Typhoid, Allergy (D) BeriBeri, Malaria, Pellagra
18. Herbicides are used to :
- (A) Remove the weeds (B) Remove the insects
(C) Beautify the fields (D) Make the crops healthier
19. Eating Fish is healthy as compared to meat because fish contains :
- (A) Essential vitamins (B) Essential fatty acids
(C) More essential vitamins and Proteins (D) All the nutrients of food
20. In addition to proteins and carbohydrates, the other elements of nutritional value in milk include:
- (A) Potassium and iron (B) Calcium and potassium
(C) Calcium, potassium and iron (D) Calcium and iron

SECTION - III [MATHEMATICS]

21. Vijay and Ajay are filling a fish tank with water. Vijay fills $\frac{1}{5}$ of the tank. Then Ajay fills $\frac{2}{5}$ of the tank. How much of the tank have they filled in all?
- (A) $\frac{3}{25}$ (B) $\frac{3}{10}$ (C) $\frac{3}{5}$ (D) $\frac{2}{5}$
22. 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) $6\frac{1}{4}$
23. There are 45 animals in a pet shop. $\frac{2}{3}$ of them are puppies, 6 of them are parrots and the rest are kittens. How many kittens are in the pet shop?
- (A) 10 (B) 9 (C) 8 (D) 7
24. The adjoining figure is made up of 2 similar squares, A and B . Find the perimeter of the figure if the area of square A is 36 cm^2 .
- 
- (A) 24 cm (B) 48 cm (C) 30 cm (D) 36 cm
25. The decimal representation of $6 + 2\frac{21}{25} + \frac{9}{1000}$ is :
- (A) 6.849 (B) 8.0849 (C) 8.849 (D) 8.93
26. What is the difference of the greatest 7 digit number and the smallest 5 digit number?
- (A) 9, 98, 099 (B) 99, 899 (C) 9, 98, 999 (D) 99, 89, 999

27. A number is made up of 3 digits. The digit in the hundred's place is twice the digit in the one's place. The digit in the ten's place is 1 less than the digit in the one's place. If the digit in the ten's place is 2. What is the number?

(A) 623 (B) 432 (C) 622 (D) 224

28. The pictograph shows the number of eggs sold by a trader in three days.

Monday	  
Tuesday	    
Wednesday	   

 represents 25 eggs.

If the trader still had 115 eggs left after the three days, calculate the number of eggs he had at first.

(A) 185 (B) 300 (C) 215 (D) 415

29. What is the missing sign in the box?

$$4\frac{1}{5} + 9\frac{1}{5} - 3\frac{1}{3} \square 6\frac{1}{4} - 8\frac{1}{4} + 5\frac{1}{4}$$

(A) < (B) = (C) > (D) Can't be determined

30. Monu is thinking of a four digit number.

- The fourth digit is the greatest.
- When the third digit is divided by the first digit, the quotient is 2.
- The difference between the second and third digit is 1.
- The first digit is double of 2.

(A) 3768 (B) 4789 (C) 5698 (D) 1239

31. Which expression is true?

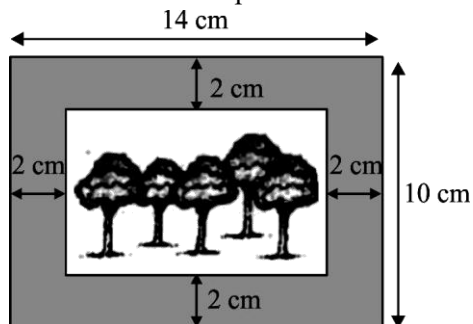
(A) $\frac{1}{5} > 0.2$ (B) $\frac{1}{4} < 0.25$ (C) $\frac{1}{4} > 0.5$ (D) $\frac{1}{4} > 0.2$

32. What is the missing number in the box?

$$3\frac{3}{4}, 3\frac{1}{2}, \square, 3, 2\frac{3}{4}$$

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

33. The figure shows a framed picture.



Find the area of the picture in cm^2 .

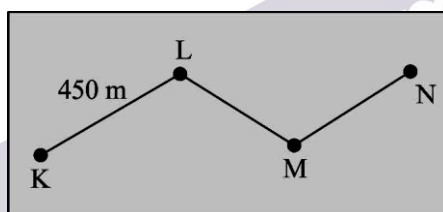
(A) 96 (B) 80 (C) 72 (D) 60

34. 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	

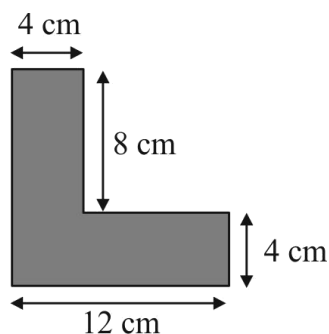
What else can she buy with the balance of the money?

- (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
35. 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.



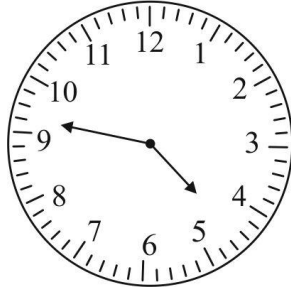
What is the distance in km, from K to N?

- (A) 1.20 (B) 1.05 (C) 1.10 (D) 0.30
36. The value of $15 \times (17 + 19) \div 4 - 35 \div 7$ is ____.
- (A) 100 (B) 120 (C) 125 (D) 130
37. Find the area of the shaded part of the rectangular strip of papers.

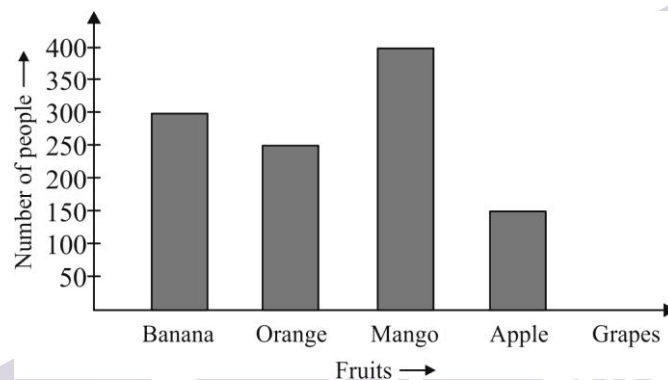


- (A) 8 cm^2 (B) 32 cm^2 (C) 72 cm^2 (D) 80 cm^2
38. If $\triangle \div \square = 84$ and $\square + \square + \square + \square + \square = 15$, then what is the value of $\triangle - \square$?
- (A) 3 (B) 249 (C) 252 (D) 255

39. Mr. Sharma drove from town P to town Q . He took 2 hours 15 minutes for the journey. The clock shows the time he arrived at town Q in the evening. When did he set off from town P ?



- (A) 2:32 a.m. (B) 2:32 p.m. (C) 3:32 a.m. (D) 2:23 p.m.
40. The given bar graph shows the number of people like different types of fruits. Study the graph and answer the question that follows.



If number of people who like grapes is double to the number of people who like apple, then find the total number of people in the survey.

- (A) 1450 (B) 1500 (C) 1400 (D) 1350

