

INTERNATIONAL INDIAN SCHOOL – DAMMAM
ANNUAL EXAMINATION – MARCH 2009

Subject: Mathematics

Max. Time : 3 hrs

Class : VI

Max. Marks : 100

SET – A

Instructions:

- (a) Attempt all questions
However, an internal choice is given in each section.
- (b) Section A: Questions 1 – 10 carry 3 marks each.
- (c) Section B: Questions 11 – 20 carry 4 marks each.
- (d) Section C: Questions 21 – 25 carry 6 marks each.

SECTION – A

(10 x3)

1. Find the sum by suitable rearrangement.
 $163 + 432 + 237 + 548$
2. Use number line and add $7 + (-4) + 2$
3. Give expressions for the following.
 - a) 'X' is multiplied by -3 and 2 added to the product.
 - b) 'P' is subtracted from 5 and 4 is added to the result.
4. Divide Rs 6300 between Vishal and Daljeet in the ratio of 2:5
5. Write all the integers between the pair -5 and +2
6. Find the value by using suitable property.
 $54279 \times 92 + 8 \times 54279$
7. (a) Express as kg using decimals : 7 Kg 80 g
(b) Express as meter using decimals: 5 m 95 cm
8. Find the equivalent fraction of $\frac{12}{28}$ with
 - a) Numerator 3 b) denominator 14
9. The perimeter of square piece of cardboard is 80 cm. Find its area?

OR

A piece of string is 36cm long. What is its length of each side if the string is used to form (a) a square (b) an equilateral triangle.

10. Find the cost of fencing a square park of side 150m at the rate of Rs 60 per meter.

SECTION - B

(10x4)

11. (a) Subtract (-36) from (-59)
- (b) Find the sum of (-10), (-92), (84) and (-15)
12. Determine if the following ratios form a proportion. If they are in proportion write the middle terms and the extreme terms.
- 99cm : 45m and 44g : 2kg
13. Ramu purchases 32 pens and 40 pencils .If the cost of one pen is Rs 10 and the cost of one pencil is Rs 5, find the total amount spent by Ramu.
14. The weight of 15 bags of rice is 135 kg.
- a) What is the weight of 10 such bags?
- b) How many bags will weigh 810 kg?

OR

Cost of 4 dozen oranges is Rs 60.

- a) How many oranges can be purchased for Rs 12.50?
- b) What is the cost of 32 oranges?
15. Draw a line segment PQ of measure 8.4 cm. Construct the perpendicular bisector of PQ. Also write the measure of each equal part.
16. Write as fractions in the lowest term.
- a) 0.72 b) 2.716
17. Solve the following equations.

a) $\frac{3y+2}{4} = 14$

b) $7x-3 = 9-5x$

18. A pipe was $8\frac{1}{4}$ m long. A piece $2\frac{5}{6}$ m long was cut out of it. What is the length of the remaining pipe?
19. Suman bought 4kg 90 gm of oranges ,5 kg 300 gm of bananas and 2kg 60 gm of grapes. What is the total weight of all the fruits bought by her?
20. Ram and Shyam go jogging every morning. Ram goes to a park which is in a shape of a square of side 200m, while Shyam goes to a park in a shape of a rectangle 300m long and 80m broad. If both take 10 rounds each, then who jogs more and by how much?

SECTION – C

21. a. Solve the following equations.

(3+3)

I. $2x = 9 - x$

II. $5y + 2 = 27$

b. Take Rajan's present age to be 'x' years.

- 1) What was his age 5 years back?
- 2) Rajan's father's age is 3 times his age. What is his father's age?
- 3) Rajan's mother is 5 years younger than his father. What is his mother's age?

22. (a) Prakash earns Rs 30,000 per month and his wife Seema earns Rs 12,000 per month. Together they save Rs 10,000 per month. Find the ratio of

(4+2)

- 1) Prakash earnings to their total earnings.
- 2) Seema's earnings to their total earnings.
- 3) Prakash's earnings to Seema's earnings.
- 4) The money spent by them to the money saved by them.

(b) Find the ratio of 6 hrs to 3 days.

23. (a) Draw an angle of measure 128° and construct its angle bisector.

(3+3)

What is the measure of each of the angles so formed?

(b) Construct an angle of measure 60° using ruler and compasses only

OR

(a) Construct an angle of measure 120° using ruler and compasses only.

(b) Construct an angle of measure 45° using ruler and compasses only.

24. (a) Find the area in square meter of a rectangle whose length is

(3+3)

2m 50cm and breadth 350 cm.

(b) The side of a square bathroom is 240 cm. How many square tiles will be needed to cover the floor of the bathroom, if the side of the tile is 20 cm?

P.T.O

25. (a) Simplify : $\frac{5}{6} + \frac{1}{8} + \frac{1}{4}$

(3+1+2)

(b) Write as decimals: $50 + 2 + \frac{7}{10} + \frac{2}{100} + \frac{9}{1000}$

(c) Raja bought a book for Rs 12.85 He gave Rs 20 to the shop keeper.
What amount did he get back from the shop keeper?
