

**INTERNATIONAL INDIAN SCHOOL – DAMMAM  
SUMMATIVE ASSESSMENT – II (MARCH –2014)**

**CLASS : VI**

**MAX. MARKS: 90**

**SUBJECT: MATHEMATICS**

**SET – B**

**TIME : 3 HOURS**

**Instructions :-**

1. All questions are compulsory.
2. The question paper consists of 34 questions divided into 4 sections:- Section A, Section B, Section C and Section D.
3. Section A contains 8 multiple choice questions of 1 mark each, Section B contains 6 questions of 2 marks each, Section C contains 10 questions of 3 marks each and Section D contains 10 questions of 4 marks each.
4. There is no overall choice. However internal choice has given in one question each in Section B, Section C, and Section D.

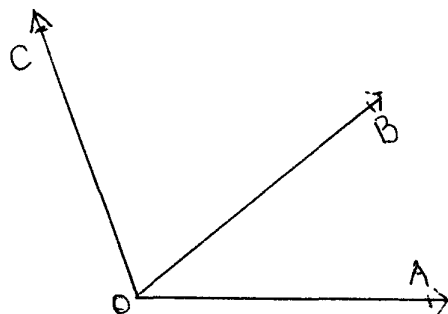
**SECTION – A ( 1 x 8 = 8)**

**Choose the correct answer :-**

1. The perimeter of a rectangle with length 50 cm and breadth 25 cm is \_\_\_\_\_.  
a) 1250 cm      b) 150 cm      c) 75 cm      d) none of these
2. The equivalent fraction of  $\frac{64}{56}$  with denominator 7 is \_\_\_\_\_.  
a)  $\frac{6}{7}$       b)  $\frac{9}{7}$       c)  $\frac{7}{8}$       d)  $\frac{8}{7}$
3. In a quadrilateral, all the sides are equal, but diagonals are not equal, it is called  
a) Rectangle      b) Rhombus      c) Trapezium      d) Square
4. The integer 5 less than  $(-3)$  is \_\_\_\_\_.  
a)  $(-8)$       b) 8      c) 2      d)  $(-2)$
5. The ratio of 4 minutes to 30 seconds is \_\_\_\_\_.  
a) 1 : 8      b) 2 : 15      c) 8 : 1      d) 15 : 2
6. The decimal form of  $30 + 8 + \frac{4}{100}$  is \_\_\_\_\_.  
a) 38.4      b) 38.04      c) 380.4      d) 380.04
7. The algebraic expression 7 subtracted from 5 times 'p' is \_\_\_\_\_.  
a)  $7 - 5p$       b)  $5p - 7$       c)  $7p - 5$       d)  $5 - 7p$
8.  $\frac{1}{3}$  of a right angle is \_\_\_\_\_.  
a)  $60^\circ$       b)  $45^\circ$       c)  $30^\circ$       d)  $90^\circ$

### SECTION – B ( 2 X 6 = 12)

9. Represent the following numbers as integers with appropriate sign:
  - a) 30 m below the sea level
  - b)  $13^{\circ}\text{C}$  above zero.
10. Draw a number line and locate  $\frac{1}{5}$  and  $\frac{4}{5}$  on it.
11. Give the expressions for the following
  - a) There are 8 girls standing in a row. If ' $r$ ' rows are made and still 5 girls are left. Find the total number girls in terms of ' $r$ '.
  - b) The perimeter of a regular octagon of side ' $a$ '.
12. Find the missing numbers: -  $\frac{15}{18} = \frac{\square}{6} = \frac{75}{\square}$
13. Express as km using decimal: - 24 km 54 m  
**OR**  
 Express as meter using decimal: - 9 m 3 cm
14. Find the measure of  $\angle AOB$  and  $\angle BOC$  from the given figure using protractor.



### SECTION – C ( 2 X 6 = 12)

15. What is the cost of tiling a rectangular hall 32 m long and 24 m wide at the rate of Rs. 90 per sq.m.  
**OR**  
 A piece of string is 72cm long. What will be the length of each side if the string is used to form:
  - a) a square
  - c) a regular hexagon
16. The boys and girls in a school are in the ratio 4 : 5. The total strength of the school is 567. Find the number of boys and girls in the school.
17. Draw  $\angle POQ$  of measure  $70^{\circ}$  and find its line of symmetry.

18. If Arun's present age is 'x' years
  - a) What will be his age after 5 years from now?
  - b) Arun's mother is 4 years more than 3 times Arun's age. What is his mother's age?
  - c) Arun's father is 5 times Arun's age. What is his father's age?
19.
  - a) Write all the integers between  $(-3)$  and 4 and arrange them in ascending order
  - b) Using number line find the sum  $(-2) + 5$
20. Determine if the ratios 21 cm: 6 cm and 35 hours: 10 hours are in proportion. If they are in proportion, write the middle and extreme terms.
21. Draw any line segment XY and take a point R on it. Through R, draw a perpendicular to XY using ruler and compasses.
22.
  - a) Write the number of faces of a triangular pyramid.
  - b) Name the type of  $\Delta ABC$ , in which  $AB = 3.8$  cm,  $BC = 4.9$  cm, and  $AC = 3.8$  cm
  - c) Where will be the hand of clock stop if it starts at 7 and makes  $\frac{1}{4}$  of revolution, clockwise?
23. Ravi spent Rs. 32.05 for Maths book, Rs. 24.95 for Science book and Rs. 19.25 for Hindi book. Find the total amount spent by him.
24. Subtract  $\frac{5}{12}$  from  $\frac{2}{3}$

### SECTION – D ( 4 X 10 = 40)

25.
  - a) Write as fractions in lowest terms, 0.52
  - b) What should be added to 185.95 to get 300?
26. Construct an angle of measure  $135^\circ$  using ruler and compasses.
27. Find: -  $1 \frac{1}{2} + \frac{1}{3} + \frac{1}{4}$
28. Mr. John goes for his daily morning walk and takes 4 rounds of a park with length and breadth 525 m and 200 m respectively. How many kilometers does he walk daily?
29. Solve the following equations: -
  - a)  $3x + 9 = 30$
  - b)  $\frac{k}{4} - 3 = 7$

30. Rashid bought vegetables weighing 10 kg. He bought 2 kg 255 g tomatoes, 4 kg 450 g potatoes and the rest onions. Find the weight of onions Rashid bought.
31. A recipe needs  $\frac{3}{4}$  cup milk and  $\frac{2}{3}$  cup cream. What is required in more quantity and by how much?
32. Find the value of :-  
a)  $91 - 70 - (-32)$   
b) Subtract the sum of  $(-8)$  and 3 from  $(-6)$
33. The weight of 12 books is 84 kg. What is the weight of 56 books? How many such books would weigh 14 kg?
34. Five square flower beds each of sides 4 m are dug on a piece of land 18 m long and 10 m wide. What is the area of the remaining part of the land?

**OR**

Asha wishes to cover a wall of a room 6 m long 4 m breadth by a wall paper. Each wall paper sheet is a rectangular paper measuring 1 m long 0.8 m wide. How many wall paper sheets she need to cover the wall?

**BEST OF LUCK**