

INTERNATIONAL INDIAN SCHOOL , DAMMAM
SUMMATIVE ASSESSMENT – II (MARCH 2012)

Subject: Mathematics

Time: 3 Hours

Class : VI

Set – A

Max. Marks :90

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 mark each , Section C contains 10 questions of 3 mark each and Section D contains 10 questions of 4 mark each.
4. There is no overall choice . However , internal choice has been given in one question each in Section B, Section C and Section D.

SECTION – A (1 x 8 = 8)

Choose the correct answer :-

1. Where will the hour hand of a clock stop, if it starts at 2 and makes $\frac{1}{2}$ of a revolution?
a) at 10 b) at 12 c) at 9 d) at 8
2. The equivalent fraction of $\frac{45}{72}$ with denominator 8 is
a) $\frac{9}{8}$ b) $\frac{7}{8}$ c) $\frac{5}{8}$ d) $\frac{1}{8}$
3. Number of faces of a triangular prism is
a) 9 b) 12 c) 8 d) 5
4. $10 + 2 + \frac{7}{100} + \frac{6}{1000}$ in decimal form is written as
a) 12.706 b) 12.076 c) 76.12 d) 12.76
5. If the numbers 7 , 21 , x , 315 are in proportion, the value of ' x ' is
a) 150 b) 21 c) 105 d) 15
6. The integer 5 more than (-12) is
a) 17 b) +7 c) -7 d) -17
7. The algebraic expression for 'y' multiplied by 5 and subtracted from 23 is
a) 23- 5y b) 5y - 23 c) 23y -5 d) 5 -23y
8. Perimeter of a regular octagon is 136 cm, its side will be
a) 7 cm b) 34cm c) 17cm d) 27 cm

SECTION – B (2 x 6 = 12)

9. With the help of a figure, find how many right angles do you make if you start facing north and turn anti-clockwise to east ?

10. a) Express as mixed fraction:- $\frac{29}{7}$
 b) Reduce to simplest form :- $\frac{162}{108}$

11. Write the following decimals in ascending order :-
 3.767 , 3.676 , 3.667 , 3.776 , 3.766

OR

Convert:- a) 25 km 30 m into km b) 4356 gm into kg

12. Using number line find the value of $(-3) + 2 + (-8)$
13. Rekha and Sujata decided to divide their sweets in the ratio 3 : 4. They had 700 sweets in all. How many sweets did each one of them get ?
14. The length of a rectangular hall is 5 metres less than 4 times the breadth of the hall. What is the length , if the breadth is ' b ' metres ?

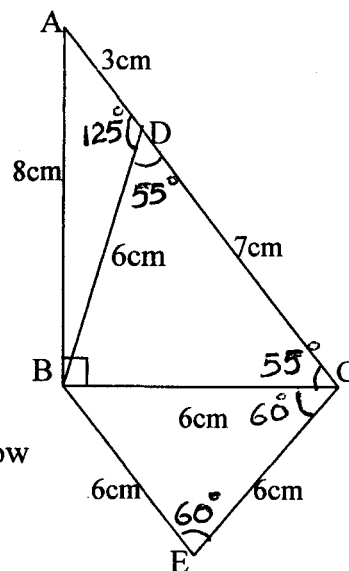
SECTION – C (3 x 10= 30)

15. Radha, Ayesha and Mary planted trees in their school during Vanamahotsava celebration. Radha planted 20 trees , Ayesha planted 24 trees and Mary planted 34 trees .What is the ratio of number of trees planted by

- a) Radha to that by Ayesha
 b) Ayesha to that by Mary
 c) Mary to that by Radha

16. From the given figure classify each of the following triangles in two different ways

- a) ΔABC b) ΔABD
 c) ΔBCD d) ΔBCE



17. Find :- $6\frac{1}{3} + 3\frac{5}{6}$

18. A rope is of length 7.37m. If 2.78m is cut from it, how much of the rope is left?

19. Write the statement for the following expressions :-

- a) $10y + 7$ b) $8g \div 5$ c) $-9x$

20. Construct a line segment $\overline{AB} = 3.5\text{cm}$ and another line segment $\overline{CD} = 4.2\text{ cm}$. Construct a line segment $\overline{PQ} = \overline{AB} + \overline{CD}$ (Using ruler and compasses).

21. An athlete takes 10 rounds of a rectangular park , 50 m long and 25 m wide. Find the total distance covered by him.

OR

What is the cost of tiling a floor of 24 m long and 18 m wide at the rate of Rs.15 per square metre.

22. Using ruler and compasses, construct an angle of measure 120° and bisect it.
23. Determine if the ratios 15 cm : 2 m and 9sec : 2 minutes are in proportion. If they are in proportion, write the middle terms and extreme terms.
24. Write the following decimal numbers in expanded form and also in words :-
 a) 43.05 b) 146.295

SECTION – D (4 x 10 = 40)

25. The cost of 4 m of cloth is Rs.228. What is the cost of 15m of such cloth?
 How many metres of cloth can be bought for Rs.627 ?
26. From school A out of 650 students, 250 were selected for essay writing and from school B out of 750 students, 300 were selected. From which school a greater fraction of students were selected?
27. Simplify: - $63.368 + 21.732 - 35.68 - 12.32$
28. Write the given fractions in descending order :- $\frac{3}{8}, \frac{5}{6}, \frac{2}{3}, \frac{3}{4}$
29. Draw a circle of radius 5cm. Draw any two of its non parallel chords. Construct the perpendicular bisectors of these chords. Where do they meet?(using ruler and compasses)
30. Solve the following equations :- a) $3x + 2 = 11$ b) $\frac{7t}{8} = 14$
31. The area and length of a rectangular room are 52 square metre and 13 m respectively. Find the breadth and perimeter of the room.
32. Convert the following decimals into fractions in lowest form :-
 a) 1.25 b) 1.32
33. Subtract the sum of 135 and (- 85) from the sum of (-150) and 32.
OR
 Find the value of :- $(-981) + 385 - (- 493) - 361$
34. How many square tiles of side 12 cm are required to fit in a rectangular region of length and breadth 250cm and 144 cm respectively?

BEST OF LUCK

