

**INTERNATIONAL INDIAN SCHOOL DAMMAM**  
**SUMMATIVE ASSESSMENT - I JUNE 2014**

CLASS:VII  
SUBJECT:MATHEMATICS

MAXIMUM MARKS:90  
TIME:3HRS

**SET A**

**INSTRUCTIONS:**

- a) All questions are compulsory: Internal choices are provided
- b) Section A Questions 1 to 8 carry 1 mark each
- c) Section B Questions 9 to 14 carry 2 marks each
- d) Section C Questions 15 to 24 carry 3 marks each
- e) Section D Questions 25 to 34 carry 4 marks each

**SECTION:A**

**(1x 8 = 8)**

**CHOOSE THE CORRECT ANSWER:**

1) The pair of integers whose sum is (-5)

- a) (-2, 3)                      b) (-10, -5)                      c) (-1, -4)                      d) (0, 5)

2)  $2 \times 100 + \frac{2}{100} = \text{-----}$

- a) 200.02                      b) 2.002                      c) 200.002                      d) 200.200

3. Standard form of  $\frac{28}{-70}$  is

- a)  $\frac{2}{5}$                       b)  $\frac{-2}{5}$                       c)  $\frac{-5}{2}$                       d)  $\frac{5}{2}$

4.  $-39 \div \text{-----} = -1$

- a) -1                      b) 1                      c) -39                      d) 39

5. When a die is thrown the possible outcomes are

- a) 2,3,5                      b) 1,3,5                      c) 2,4,6                      d) 1,2,3,4,5,6

6. Profit = -----

- a) CP - SP                      b) SP - CP                      c) CP + Loss                      d) SP + CP

7. The product of  $\frac{-3}{5}$  and its reciprocal is -----.

- a) 1                      b) -1                      c) 0                      d)  $\frac{-9}{25}$

8.  $\frac{1}{3}$  of  $1\frac{1}{3}$  is

- a)  $1\frac{1}{9}$                       b)  $1\frac{2}{9}$                       c)  $\frac{4}{9}$                       d)  $\frac{1}{4}$

**SECTION:B**

**(2x6= 12)**

9. Draw a number line and represent  $\frac{-5}{8}$  on it.
10. Out of 36 students in a class 9 are absent. What percent of the students are absent?
11. Divide  $3\frac{5}{9}$  by  $\frac{2}{3}$

**OR**

11. Alka walks  $3\frac{1}{4}$  km in 1 hour. How far does she go in 7 hours?
12. Find the value  $(-20 + 5) \div (-3 - 2)$
13. The price of a shirt is reduced from Rs.2000 to Rs.1800. Find the decrease % on its price.
14. There are 10 apples, 15 oranges and 25 mangoes in a basket. Find the probability of getting a mango.

**SECTION:C**

**(3x10=30)**

15. Find the difference  $(-3\frac{1}{3}) - (-3\frac{2}{5})$
16. A train covers 330.25 km in 2.5 hours. What is the distance covered by it in 1 hour? Also find the distance it can cover in 5 hours.
17. a) Convert the following to percentage
- i) 0.2      ii)  $\frac{12}{15}$

b) Ratio of 5Km to 150m

18. Verify  $a \times (b + c) = (a \times b) + (a \times c)$  for integers  $a = (-10)$ ,  $b = 5$  and  $c = (-1)$

**OR**

18. Integers are associative under addition. Verify the statement with an example.
19. Arrange the following rational numbers in ascending order

$$\frac{-2}{3}, \frac{-1}{2}, \frac{-5}{6}$$

20. The ages in years of 10 teachers of a school are:

32, 41, 28, 54, 35, 26, 23, 33, 38, 40

- a) What is the mean age of these teachers?
- b) How many teachers have ages more than the mean age

21. Reena spends Rs.9800 every month from her salary and the remaining amount she deposits in a bank. If she deposits 30%, what is her salary?
22. Ramesh solved  $\frac{2}{7}$  part of an exercise while Seema solved  $\frac{4}{5}$  of it. Who solved lesser?
23. An elevator descends into a mine shaft at the rate of 5m per minute. If the descent starts from 50m above the ground level, how long will it take to reach  $-250m$  ?
24. Organize the following marks in a class assessment of 20 students in a tabular form.

5	6	10	7	6	5	8	9	5	10
10	8	9	5	7	6	10	8	6	7

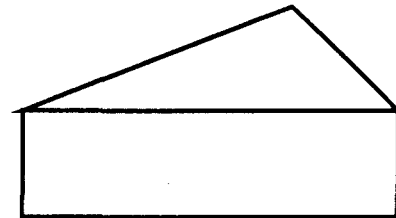
- a) How many students got 7 marks?
- b) How many students got the lowest mark?

SECTION:D

(4x10=40)

25. Find the perimeter of  $\triangle ABC$  and rectangle BCDE.

Whose perimeter is more and by how much?



26. An iPad was sold for Rs.21000 at a profit of 5%. Find its Cost Price and also find the profit amount.

27. Find four rational numbers between  $-\frac{1}{2}$  and  $-\frac{2}{3}$ .

28. In a competitive exam +3 marks are given for every correct answer and (-2) marks are given for every incorrect answer and no marks for questions not attempted

- a) Aman got 10 correct answers and 5 incorrect answers. Find his total score
- b) Rohit scores 16 marks in the test, though he got 8 correct answers. How many questions has he attempted incorrectly?

29. Find the range, median and mode of following data:

30, 40, 35, 50, 25, 40, 32, 65, 37, 40, 45, 31, 50

30. Find a)  $7\frac{1}{5} \times 6\frac{2}{3}$

b)  $2\frac{2}{3} + 3\frac{1}{2}$

31. Anita takes a loan of Rs.5000 at 15% per annum as rate of interest. Find the interest and the amount she has to pay at the end of 2 years.

OR

31. a) In a medicine, the ratio of the contents methanol, benzoic acid and salicylic acid is 12:1:7. Find the percentage of methanol in the medicine.

b) Write as a fraction    i) 25%        ii) 7.5%

32. Find the product using suitable property. (Mention the property also)

a)  $-8 \times 999 \times -125$

b)  $123 \times -123 + 123 \times 23$

33. a)  $-\frac{7}{12} \div -\frac{5}{8}$

b) Do  $\frac{4}{-9}$  and  $\frac{-16}{36}$  represent the same rational number? Why or why not?

34. The number of hours spend by two students, Akrity and Apoorva on different activities on a working day is given below: Represent it on a double bar graph.

ACTIVITIES	SLEEP	SCHOOL	HOMEWORK	PLAY	OTHERS
AKRITY	8	6	5	2	3
APOORVA	7	6	6	3	2