

1.NUMBER SYSTEM

FA(B) TEST - 1

SUBJECT : MATHS [EM]

TIME : 15 min

STD : VII

MARK : 20

I. Choose the correct answer

5 x 1 = 5

1. The temperature at 12 noon at a certain place was 18° above zero. If it decreases at the rate of 3° per hour at what time it would be 12° below zero?

(i) 12 mid night

(ii) 12 noon

(iii) 10 am

(iv) 10 pm

2. Identify the problem with negative numbers as its answer:

(i) $-9 - (-5) + 6$

(ii) $8 + (-12) - 6$

(iii) $-4 - 2 + 10$

(iv) $10 + (-4) + 8$

3. $(-10) + (+7)$

(i) +3

(ii) -3

(iii) - 17

(iv) +17

4. $(-8) + 10 + (-2)$

(i) 2

(ii) 8

(iii) 0

(iv) 20

5. $20 + (-9) + 9$

(i) 20

(ii) 29

(iii) 11

(iv) 38

6. $(-5) - (-18)$

(i) 23

(ii) -13

(iii) 13

(iv) -23

7. $(-100) - 0 + 100$

(i) 200

(ii) 0

(iii) 100

(iv) -200

8. Which of the following expressions is equal to -30.

(i) $-20 - (-5 \times 2)$

(ii) $(6 \times 10) - (6 \times 5)$

(iii) $(2 \times 5) + (4 \times 5)$

(iv) $(-6) \times (+5)$

9. Which property is illustrated by the equation: $(5 \times 2) + (5 \times 5) = 5 \times 2 + 5$

(i) commutative

(ii) closure

(iii) distributive

(iv) associative

10. $11 \times (-1) = \text{-----}$

(i) -1

(ii) 0

(iii) +1

(iv) -11

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