INTEGERS

Subtopic: Division of integers, Properties of division of integers

Section 1

1. Mark T for True and F for False

   1a. (-100) ÷ 5 = 20.

   1b. 72 ÷ (- 8) = - 9.

2. Choose the correct answer.

   2a. For any integer a, dividing by 1 gives

   a) Integer itself

   b) 1

   c) -1

   d) 0

   2b. For any integer a, a divided by 0 ,

   a) is 1

   b) is -1

   c) is undefined

   d) is a

3. Fill in the blanks

   3a. (-36) ÷ (- 4) is equal to _____.

   3b. (-325) ÷ (- 13) is equal to _____.

4. Match the following.

Column 1	Column 2	Answer here	
a) For any two integers a and b, a x b =	1) a	a)	
b) For any integer a , a x 1 =	2) b x a	b)	
c) For all integers a and b a+b =	3) not defined	c)	
d) For any integer a , a+0 =	4) b + a	d)	
e) For any integer a , a / 0 =	5) a	e)	

Section 2

5. Evaluate [(-16) + 5] ÷ [(-2) + 1]

6. Evaluate 0 ÷ (-12).

7. Verify that a ÷ (b+c) not equal to (a ÷b) + (a÷c) for a = 12, b = -4, c = 2.

8. Write three pairs of integers (a,b) such that a ÷ b = -2.

Section 3

9. Can you say [(-16) ÷ 4] ÷ (-2) is the same as (-16) ÷ [4 ÷ (-2)] ? What can you conclude ?

10. In a test +5 marks are given for every correct answer and -2 marks are given for every incorrect answer. Suraj answered all the questions and scored 30 marks though he got 10 correct answers. How many incorrect answers did he get?