

## VII— Mathematics Assignment No-06—Integers

Fill the gap

- Q1 Integers can be ----, ---- and ----
- Q2. Integers are closed under ---, ---, and ---
- Q3. Commutative Property --- hold in integers under subtraction
- Q4. zero is an integer which is neither --- nor ---
- Q5. The numbers -3, -2, -1, 0, 1, 2, 3 etc  
are -----
- Q6. On number line, all the integers to the right of '0' are --- and all the integers to the left of zero are ---
- Q7. Zero is less than every --- integer and --- every negative integer.
- Q8 Every ---- integer is ----- than every negative integer
- Q9. Two integers that are at the same distance from zero, but on opposite sides of it are called ----- numbers.
- Q10. The sum of an integer and its opposite is -----.
- Q11. Greater the number, ----- is its opposite

Q12. The meaning of  $|a|$  is \_\_\_\_\_. When  $a$  is positive or zero and \_\_\_\_\_ if  $a$  is negative

Q13. The additive inverse of ' $a$ ' is \_\_\_\_\_

Q14. The multiplicative inverse of ' $a$ ' is \_\_\_\_\_

Q15. The additive inverse of a negative integer is \_\_\_\_\_

Q16. The sum of  
 $1-2+3-4+5-6+7-8+\dots$  19-20 is -

Q17. The smallest integer is - - - -

Q18. The absolute value of an integer is - - - - than the integer.

Q19. If 101 negative integers are multiplied together, the product will be a - - integer

Q20. The product of two integers with like signs is a - - - number.

ANSWERS:- (Q19) negative (Q20) natural

(Q1) Positive, negative, zero

(Q5) integers

(Q9) Opposite

Q13. (-a)  
Q14 does not exist

(Q2) addition, subtraction, multiplication

(Q6) Positive, negative

(Q10) Zero

Q15 +ve  
Q16 -10

(Q3) ~~Subtraction~~ does not

(Q7) Positive, negative

(Q11) Lesser

Q17 0  
Q18 greater

(Q4) Positive, non-negative

(Q8) Greater than  $a$ ,  $a$ ,  $a$ - $a$

(Q12) \_\_\_\_\_

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