VII – Mathematics Assignment – NO-05 – Integers

Q1 Simplify using the Distributive Law

(i) $4 \times (-5 + (-6))$

(ii) $2 \times (3 + (-4))$

Q2 Give the opposite of

(i) $-(-5)$ (ii) $+(-5)$ (iii) (-4)

Q3. Simplify in two ways

(i) $4 \times (-4 - 5 + 6 - 7)$ (ii) $(-4) \times (1 - 2 + 3 - 4)$

Q4. Using Convenient grouping Simplify

(i) $18 \times (-25) \times 30$

(ii) $(-51) \times (-10) \times 45$

Q5. Simplify in short way

(i) $30 \times (-23) + 30 \times (-7)$

(ii) $(-15) \times (-14) + (-15) \times (-16)$

Q6. Divide (i) (-81) by (-9)

(ii) (-324) by 18

Q7 Fill the blanks

(i) $77 \div \ldots = -7$ (iii) $121 \div \ldots = -11$

(ii) $84 \div \ldots = -12$ (iv) $(-16) \div (-8) = \ldots$

Cont. Pg 2

Q1 (ii) (−44) (iv) (−2)	Q3 (i) (−40) (ii) 8	Q4 (i) −13500 (ii) 22950	Q5 (i) (−900) (ii) (450)	Q7 (i) (−11) (ii) (−7) (iii) −11 (iv) 2
Q2 (i) (−5) (ii) (+5) (iii) (+4)			Q6 (i) 9 (ii) (−18)	

Q8 By means of an example show "Is every integer divided by itself equal to 1"

Q9. Verify the following
$(-21) \times [(-4) + (-6)] = (-21) \times (-4) + (-21) \times (-6)$

Q10. x and y are two integers such that x is the predecessor of y. Find the value of $(x - y)$

Q11. Write True (T) or False (F)

(i) $0 \div 5 = 0$ (ii) $18 \div 0 = 0$

(iii) $0 \div 0 = 0$ (iv) $-8 \div 8 = 1$

Q12. To get the admission in class VII, a test was given containing 10 questions. 5 marks are awarded for every correct ans. (-2) for every wrong ans. Zero for not attempting

(i) Anil gets 4 correct and 5 incorrect ans. Find his score

(ii) Arun gets 6 correct and 3 incorrect ans. Find his score

(iii) Sita gets 3 correct 6 incorrect ans. What is her score?

ANSWERS:-

Q8) yes $\frac{10}{10} = 1$	Q11(iii) F	(Q12) (i) 10 marks
Q10) (-1)	Q11(iii) F	(ii) 24 "
Q11 (i) T	Q11 (iv) F	(iii) 03 "