SUCCESS KEY TEST SERIES

WORKSHEET

Std: VIII (E.M)	**Subject: Mathematics**	**Time: 1Hrs**
Date :	**Chapter 9 &10**	**Max Marks: 30**

Q.1 (A) Choose the correct alternative answers for each of the following questions: **4**

(1) By which polynomial should $y^2 - y - 12$ be divided to get quotient as $y - 4$
  (a) $y + 3$ (b) $3y - 3$ (c) $(y^2 - y - 12)$ $(y - 4)$ (d) $(y^2 - y - 12)$ - $(y - 4)$

(2) Mrs Sharma bought a handbag at discount of 25% for Rs 570. The marked price of Handbag is
  (a) Rs 760   (b) Rs 456   (c) Rs 500   (d) Rs 800

(3) The index of the variable of each term of the polynomial is a _____ number.
  (a) rational   (b) whole   (c) irrational   (d) real

(4) Rajan got a discount of 20% on his food bill of Rs 1250. How much discount did he get?
  (a) Rs 1000   (b) Rs 250   (c) Rs 1500   (d) Rs 1200

(B) Solve the following sub questions: **4**

(1) If marked price = Rs. 1700, selling price = Rs. 1540 then find the discount.

(2) Find the value of 2 percent of 3000

(3) Divide. Write the quotient and the remainder: $40m^5 \div 30m^3$

(4) A farmer sold wheat for Rs. 40,600 through an agent. The commission was paid at the rate of 1.5%. What commission did the agent get?

Q.2   Solve the following sub questions: **8**

(1) Divide: $15p^3 \div 3p$

(2) Rafique sold flowers worth Rs. 15,000 by giving 4% commission to the agent. Find the commission he paid. Find the amount received by Rafique.

(3) Solve: $(6x^3 + 8x^2) \div 2x$

(4) Divide. Write the quotient and the remainder: $(8p^3 - 4p^2) \div 2p^2$

Q.3   Solve the following sub questions: **6**

(1) The marked price of the fan is 3000 rupees. Shopkeeper gave 12% discount on it. Find the total discount and selling price of the fan.

(2) Divide. Write the quotient and the remainder: $(3x + 2x^2 + 4x^3) \div (x - 4)$

Q.4   Solve the following sub questions: **8**

(1) Divide. Write the quotient and the remainder: $(a^4 - a^3 + a^2 - a + 1) \div (a^3 - 2)$

(2) Divide. Write the quotient and the remainder: $(4x^4 - 5x^3 - 7x + 1) \div (4x - 1)$

-------- All the Best --------