

## Anita's Coaching Classes

Time : 1hr

Marks : 25

Q1 - Write an expression for

(2 Marks)

- 1) 7 multiplied by y and 2 subtracted from the product'.
- 2) subtracted from - n'.

Q2 - Identify monomials, binomials and trinomials from the following :

(3 Marks)

- (a)  $-8xy$ .
- (b)  $x + z^2$
- (c) 9
- (d)  $a + b + c^3$
- (e)  $p - r + q$
- (f)  $x - 1$

Q3 - Give expressions in the following cases:

(4 Marks)

- a) 11 added to 2m
- b) 5 times y to which, 3 is added
- c) y multiplied by 5 and the result subtracted from 16
- d) y divided by 5 and 5 added to the result

Q4 - Take Sarita's present age to be y years and answer the following:

( 2 Marks)

- (i) What will be her age 5 years from now?
- (ii) What was her age 3 years back?
- (iii) Sarita's grandfather is 6 times her age. What is the age of her grandfather?
- (iv) Her grandmother is 2 years younger than grandfather. What is grandmother's age?

Q.5 Solve the following equations:

( 6 Marks)

- (i)  $2x + 5 = 13$
- (ii)  $p - 2 - 3 + (p/2)$
- (iii)  $6x + 5 = 2x - 7$
- (iv)  $5(2x - 1) = 14 - 3(x + 2)$

Q. 6 Solve :

( 8 Marks )

- 1) There are 650 students in a school. If the number of girls is 106 more than the boys, how many boys are there in the school?
- 2) A man is thrice as old as his son. After 12 years, he will be twice as old as his son. Find their present ages.
- 3) Vidya's mother's age is 5 years more than the three times of Vidya's present age. Find Vidya's present age, if her mother is 44 years old.
- 4) Sachin says that he has 6 books more than the 6 times of the books Priyanka has. Sachin has 42 books. How many books does Priyanka have?