KENDRIYA VIDYALAYA IFFCO GANDHIDHAM

PERIODIC TEST – II

SUBJECT – MATHEMATICS

CLASS – VII

TIME: - 90MINS   M.M:- 40

SECTION – A

* EACH QUESTION CARRIES ONE MARK*

Q.1) Write five rational numbers between -1 and 0.

Q.2) Define scalene triangle.

Q.3) Find the area of a square park whose perimeter is 320m.

Q.4) Write two examples of like terms.

SECTION – B

* EACH QUESTION CARRIES TWO MARKS*

Q.5) What is the circumference of a circular disc of radius 14cm?

Q.6) Construct an equilateral triangle of side 5.5cm.

Q.7) Give four rational numbers equivalent to (-2/7).

Q.8) Subtract 24ab – 10b – 18a from 30ab + 12b + 14a.

SECTION – C

* EACH QUESTION CARRIES TWO MARKS*

Q.9) Construct $\triangle DEF$ such that DE = 5cm, DF = 3cm and m∟EDF = 90°.

Q.10) Find the value of –

a) (-7/12) ÷ (-2/13).

b) 3/-5 x (-5/3).

c) (-6/13) – (-7/15).

Q.11) The perimeter of a rectangle is 130cm. If the breadth of the rectangle is 30cm, find its length. Also find the area of the rectangle.

Q.12) What should be the value of "a" if the value of $2x^2 + x - a$ equals to 5, when x = 0?

SECTION – D

* EACH QUESTION CARRIES FOUR MARKS*

Q.13) A 3m wide path runs outside and around a rectangular park of length 125m and breadth 65m. Find the area of the path.

Q.14) Construct $\triangle ABC$, given $m\angle A = 60°$, $m\angle B = 30°$ and AB = 5.8cm.

Q.15) If P = -2, find the value of –

a) $4P^2 + 7 - 6P^3$

b) $(-2P^3 - 3P^2 + 4P + 7)$

Q.16) Write the following rational numbers in ascending order –

a) (-3/5, -2/5, -1/5)

b) (-3/7, -3/2, -3/4).

*********************************BEST OF LUCK*********************************