



ANANDALAYA

Weekly Test 3

Class VIII

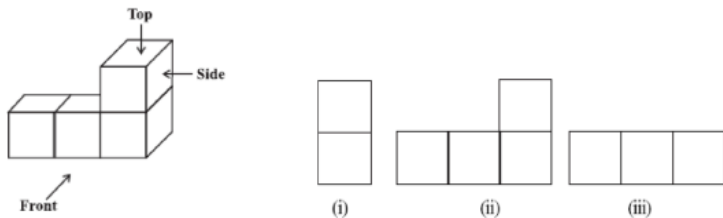
Subject: MATHEMATICS
Date : 20/10/2015

M.M: 20
Time: 1 Hour

- Q1 How many vertices does the solid figure “hexagonal pyramid” have? 1
- Q2 Find the number of faces of a polyhedron which has 12 edges and 6 vertices. 1
- Q3 Find the product of $5x^{20} \times x^{12} \times x^2 \times x^0$ 1
- Q4 Find the value of $-4p \times 7pq$ when $p = 1$ and $q = -2$ 1
- Q5 Classify the following as Monomial, Binomial and Trinomial:
 $2x^3y$, $x + y + z$, $a - b$, $p - 9qr^2$, $-7pqr + 3pq^2 - 7pqr^2$, $15xy^2z^3 - 2$, $a^2b - c - 3ab$, $158xyz$. 2
- Q6 For the given solid, the three views are given. Identify for the solid the corresponding top, front and side views. 2



a)

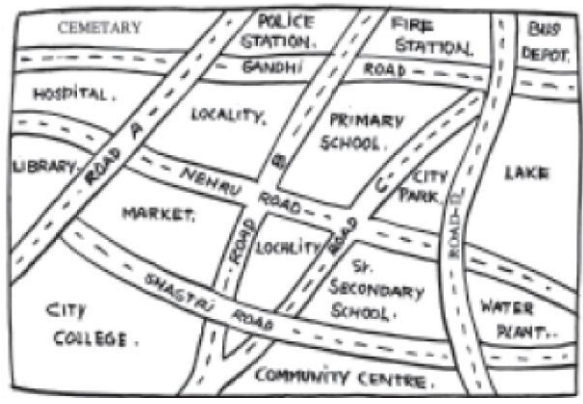


b)

Q7 Using suitable identity find the value of $(4m + 11n)^2$ 2

Q8 Simplify: $(a + b)(c - d) + (a - b)(c + d) + 2(ac + bd)$ 2

- Q9
- a. Which is further east, the city park or the market?
 - b. Which is further south, the primary school or the Sr. Secondary School?



2

Q10 What should be added to $16x + 10y$ and $13xy + 15x$ to get $18xy - 10y$. 3

Q11 Simplify. $(7m - 8n)^2 - (7m + 8n)^2$ 3