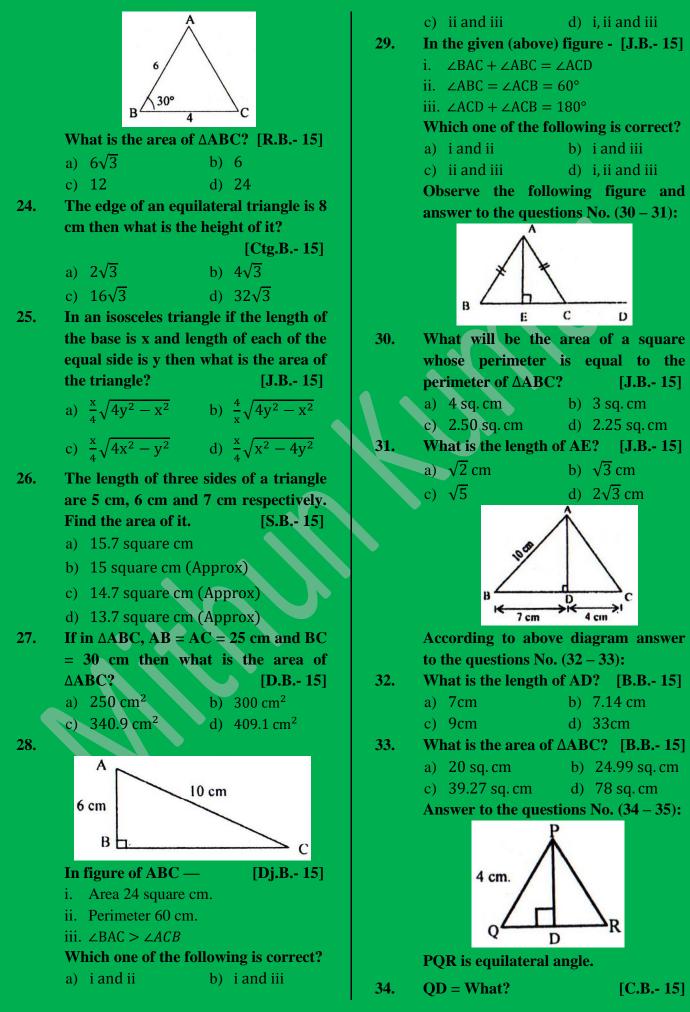


- 2 -



~ 3 .

c) 2 d) 4

- 35. What is the height of this angle? [C.B.- 15]
  - a)  $2\sqrt{3}$ c)  $\sqrt{3}$
- 36. If the perimeter of an equilateral triangle is 6 cm. What is its area?

b)  $\frac{1}{\sqrt{3}}$ 

d)  $\frac{2}{\sqrt{3}}$ 

a) 
$$\frac{\sqrt{3}}{2}$$
 b)  $\frac{1}{2}$   
c)  $\sqrt{3}$  d)  $\frac{1}{2}$ 

37. If base is b and length of equal sides of an isosceles triangle is a then area = What?

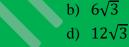
a) 
$$\frac{a}{4}\sqrt{4b^2 - a^2}$$
  
b)  $\frac{4}{a}\sqrt{4a^2 - b^2}$   
c)  $\frac{b}{4}\sqrt{4a^2 - b^2}$   
d)  $\frac{4}{b}\sqrt{4b^2 - a^2}$ 

38. If each side of an equilateral triangle is 2 metre then what is its height in metre?

a) 
$$\sqrt{3}$$
 b)  $\frac{\sqrt{3}}{2}$   
c)  $\frac{4}{\sqrt{3}}$  d)  $\frac{\sqrt{3}}{4}$ 

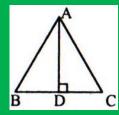
- 39. The area of an equilateral triangle is  $16\sqrt{3}$  m<sup>2</sup> then what is the length of the sides of the triangle?
  - a) 16 m b) 8 m
  - c) 6 m
- 40. If one side of an equilateral triangle is 6 cm then which one of the following is the area is square metre?

a) 
$$3\sqrt{2}$$



d) 4 m

Answer questions no. (36 - 37) on the basis of the information in the figure below:



 $\Delta ABC$  is equilateral triangle, AD  $\perp$ 

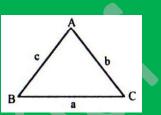
**BC** and **AB** = 6 unit.

- 41. What is the height of the triangle in unit?
  - a)  $\frac{4}{\sqrt{3}}$  b)  $2\sqrt{3}$
  - c)  $3\sqrt{3}$  d)  $3\sqrt{2}$
- 42. What is the area of the triangle ABD in square unit?

a)

c)  $\sqrt{3}$ 

43.



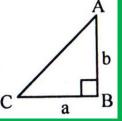
b)  $\frac{\sqrt{3}}{4}$ 

d)  $2\sqrt{3}$ 

In the above figure what is the area of the triangle?

a) 
$$\Delta = \sqrt{s(s-a)(s-b)(s-c)}$$
  
b) 
$$\Delta = \frac{1}{2}\sqrt{s(s-a)(s-b)(s-c)}$$
  
c) 
$$\Delta = 2\sqrt{s(s-a)(s-b)(s-c)}$$
  
d) 
$$\Delta = 3\sqrt{s(s-a)(s-b)(s-c)}$$

44.



In the figure what is area of the triangle ABC?

- a) 2ab b)  $\frac{1}{2}$ ab c) ab d)  $\frac{1}{2}a^2b^2$
- 45. The base and the area of a triangle is 3 cm and 24 square cm respectively. What is the height?
  - a) 4 cm b) 8 cm
  - c) 16 cm d) 24 cm
- 46. In equilateral triangle  $\triangle ABC$ , AB = 4and  $AD \perp BC$  then AD = What?
  - a)  $64\sqrt{3}$  b)  $16\sqrt{3}$
  - c)  $4\sqrt{3}$  d)  $2\sqrt{3}$