11

Introduction To Trigonometry

4 AV'S MATH REVISION CLASSES -2021

.MULTIPLE CHOICE QUESTIONS.

1. In a right angle triangle ABC,right angled at B . if tanA=1 then 2sinAcosA

   a) 0 $b)$ 3 $c)$ 2 $d)$ 1

2. In a ΔABC, LB is right angle, AB=24cm and BC=7cm. Then Value of CosC

   a) 12/6. b) 7/25. c) 7/24

3. In a ΔABC, LB is right angle tanA= $1/\sqrt{3}$ $Then\ CosACosc - SinASinC$

   a) 1 b) 4 c) 6 d) 0

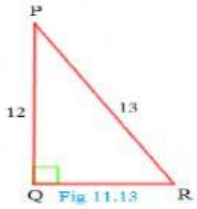

Fig 11.13

4. In the fig. tanP-cotR

   a) 0 b) 1/2 c) 1 d) 2

5. SinA=$3/4$ then the value of tanA

   a) $2/\sqrt{7}$. b) $3/\sqrt{7}$. c)$3\sqrt{7}$ d)sinA

6. The value of sin30°cos60° +cos30°sin60° is

   a) 1. b) 2. c)3/4. d)90

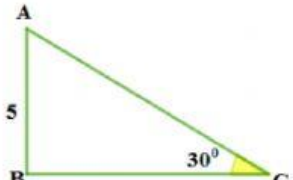

Fig 11.19

7. In a ΔABC, LB is right angle, AB=5cm. Find BC and AC

   a) $\sqrt{3}cm, 10cm.$ b)3cm,10cm c) $5\sqrt{3}cm, 10cm$

8. In a ΔABC, LB is right angle. LA= 30°. LC=60° then value of sin(A+C)

   a) 1 b)0 c) 45° d)90°

9. The value $\frac{1-tan^2 45}{1+tan^2 45}$ is

   a) 1. b) 2. c)0. d)1/3

10. $If\ cotA = 7/8\ then\ \frac{(1+sinA)(1-sinA)}{(1+cosA)(1-cosA)}$

   . a) 0. b) 49/64 c) 7/8 d) 90°

LIVEWORKSHEETS