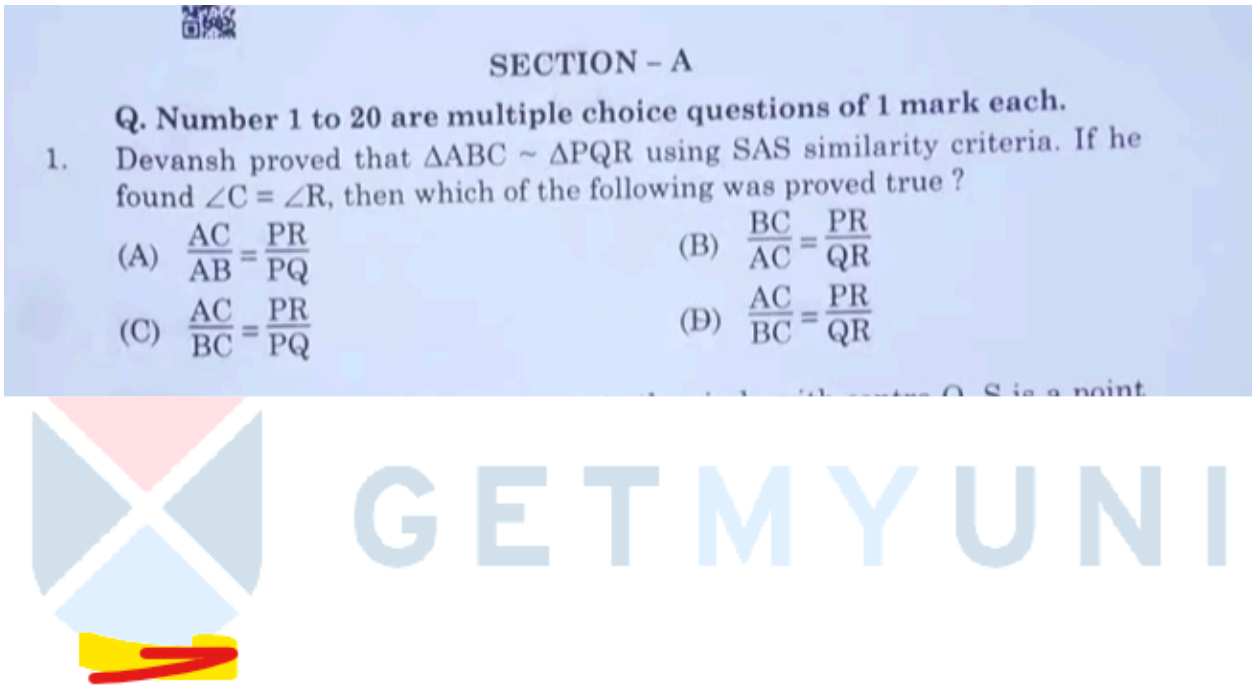
CBSE Class 10 Maths Unofficial Answer Keys 2026 PDF - GetMyUni

Questions asked in the exam:

Q.1



SECTION – A

Q. Number 1 to 20 are multiple choice questions of 1 mark each.

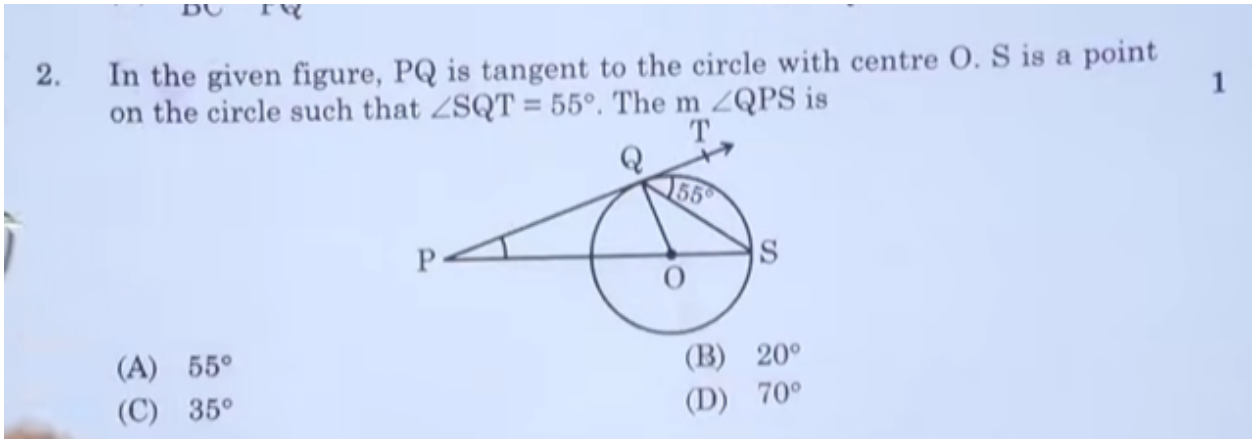
1. Devansh proved that $\Delta ABC \sim \Delta PQR$ using SAS similarity criteria. If he found $\angle C = \angle R$, then which of the following was proved true ?

(A) $\frac{AC}{AB} = \frac{PR}{PQ}$ (B) $\frac{BC}{AC} = \frac{PR}{QR}$

(C) $\frac{AC}{BC} = \frac{PR}{PQ}$ (D) $\frac{AC}{BC} = \frac{PR}{QR}$

Answer: Option D

Q.2



2. In the given figure, PQ is tangent to the circle with centre O. S is a point on the circle such that $\angle SQT = 55°$. The m $\angle QPS$ is 1

(A) 55° (B) 20°

(C) 35° (D) 70°

Answer: Option B (20°)

Q. 3, 4, 5

(C) 35°

3. In an A.P., if $a_{14} - a_8 = 24$, then the common difference of the A.P. is

(A) 6 (B) 4

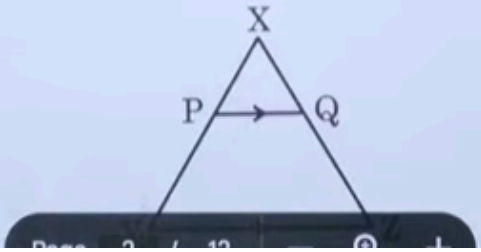
(C) ±4 (D) 3

4. The value of p for which roots of the quadratic equation $x^2 - px + 6 = 0$ are rational, is

(A) 1 (B) −5

(C) 25 (D) $\sqrt{5}$

5. In the given figure, PQ || YZ such that XP : PY = 2 : 3. If PQ = 5 cm, then YZ equals



Answer 3: Option B (4)

Answer 4: Option B (-5)

Answer 5: Option A (12.5 cm)

Q. 6 and 7

6. For an acute angle θ, if $\cos\theta = \frac{1}{8}$, then $\frac{8\sec\theta + 1}{8\sec\theta - 1}$ equals

(A) $\frac{64}{63}$ (B) 0

(C) $\frac{65}{63}$ (D) 1

7. A card is drawn at random from a well shuffled deck of 52 playing cards. The probability that it is either a ten or a king is

(A) $\frac{1}{26}$ (B) $\frac{2}{13}$

(C) $\frac{1}{13}$ (D) $\frac{8}{26}$

Answer 6: Option C (65/63)

Answer 7: Option B (2/13)

Q. 8

8. The line segment joining the points P(–4, –2) and Q(10, 4) is divided by y-axis in the ratio

(A) 2 : 5 (B) 1 : 2

(C) 2 : 1 (D) 5 : 2

Answer 8: Option A (2:5)

Q.9

9. Simplest form of $\frac{\sec A}{\sqrt{\sec^2 A - 1}}$ is

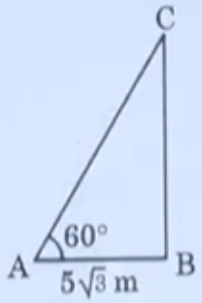
(A) sin A (B) tan A

(C) cosec A (D) cos A

Answer 9: Option C (cosec A)

Q.10

10. A wire is attached from a point A on the ground to the top of a pole BC, making an angle of elevation as 60°. If AB = $5\sqrt{3}$ m, then length of the wire is



(A) 10 m (B) $10\sqrt{3}$ m

(C) 15 m (D) $\frac{5}{2}\sqrt{3}$ m

Answer 10: Option B (10√3 m)

Q. 11

11. If sum and product of zeroes of a polynomial are (–3) and (–2) respectively, then a polynomial is

(A) $x^2 - 3x - 2$ (B) $-x^2 - 3x + 2$

(C) $-x^2 + 3x - 2$ (D) $x^2 + 3x + 2$

Answer 11: Option B

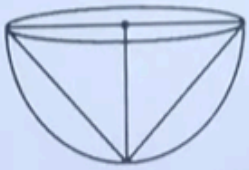
Q. 12 and 13

12. Meena calculates that the probability of her winning the first prize in a lottery is 0.08. If total 800 tickets were sold, the number of tickets bought by her, is

(A) 64 (B) 640

(C) 100 (D) 10

13. A conical cavity of maximum volume is carved out from a wooden solid hemisphere of radius 10 cm. Curved surface area of the cavity carved out is (use $\pi = 3.14$)



(A) $314\sqrt{2}\ cm^2$ (B) $314\ cm^2$

(C) $\frac{3140}{3}\ cm^2$ (D) $3140\sqrt{2}\ cm^2$

Answer 12: Option A (64)

Answer 13: Option A

Q.14

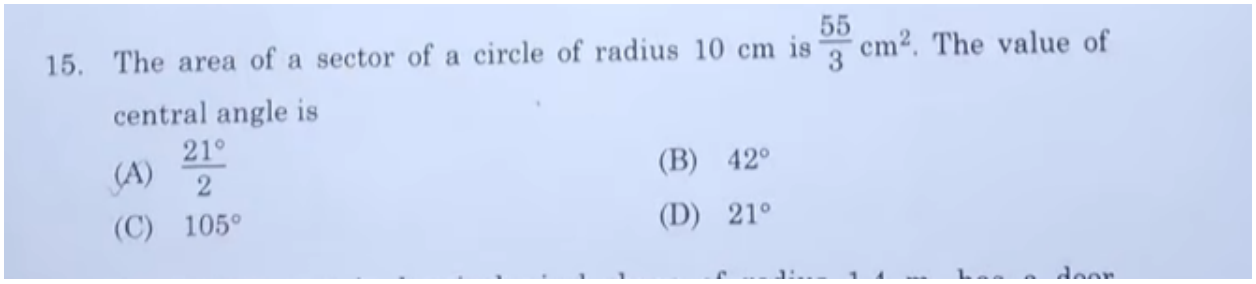
14. While calculating mean of a grouped frequency distribution, step deviation method was used $\left(\frac{x-a}{h} = u\right)$. It was found that $\bar{x} = 64$, h = 5 and a = 62.5. The value of $\bar{u}$ is

(A) 0.5 (B) 1.5

(C) 0.3 (D) 7.5

Answer 14: Option C (0.3)

Q.15



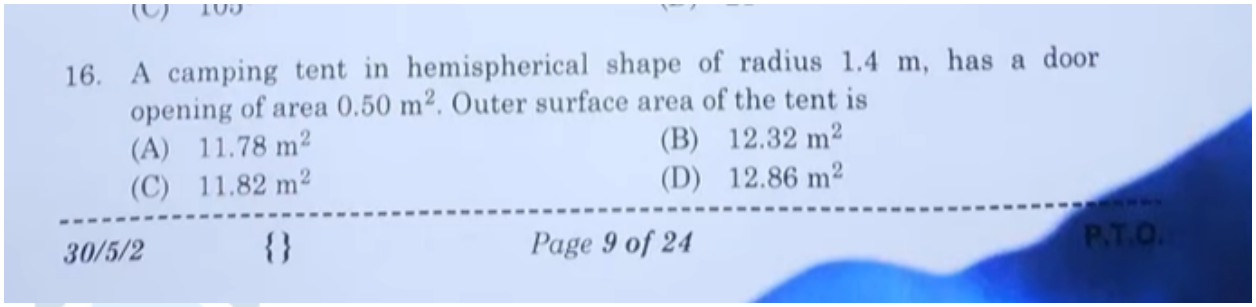
15. The area of a sector of a circle of radius 10 cm is $\frac{55}{3}$ cm^2. The value of central angle is

(A) $\frac{21^\circ}{2}$ (B) 42°

(C) 105° (D) 21°

Answer 15: Option D

Q.16



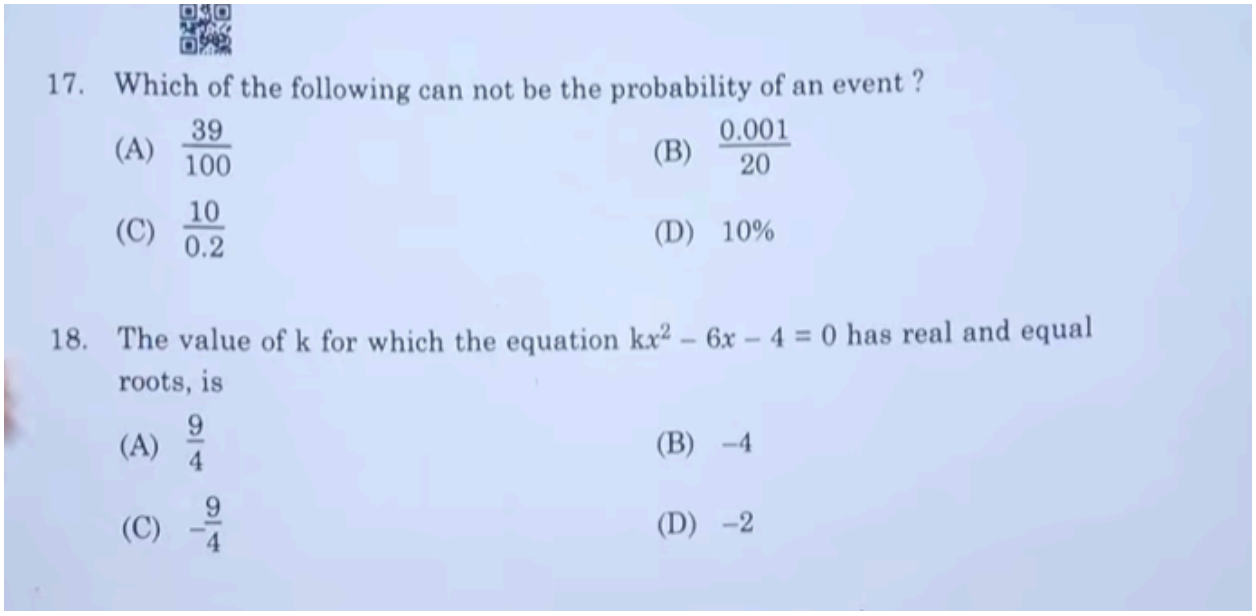
16. A camping tent in hemispherical shape of radius 1.4 m, has a door opening of area 0.50 m^2. Outer surface area of the tent is

(A) 11.78 m^2 (B) 12.32 m^2

(C) 11.82 m^2 (D) 12.86 m^2

Answer 16: Option C

Q. 17 and 18



17. Which of the following can not be the probability of an event ?

(A) $\frac{39}{100}$ (B) $\frac{0.001}{20}$

(C) $\frac{10}{0.2}$ (D) 10%

18. The value of k for which the equation $kx^2 - 6x - 4 = 0$ has real and equal roots, is

(A) $\frac{9}{4}$ (B) -4

(C) $-\frac{9}{4}$ (D) -2

Answer 17: Option C (10/0.2)

Answer 18: Option C (-9/4)