

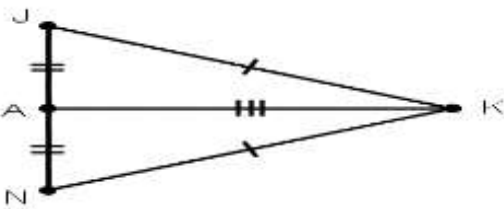
- (l) What is the side included between the angles M and N of ΔMNP ? 1
- (m) Solve : $\frac{3}{5}x = 6$ 1
- (n) Find the area of a isosceles right triangle of equal sides 40 cm each. 1
- (o) Find the quotient : $183.6 \div 6$ 1
- (p) Find the mode of the given data: 1, 6, 4, 7, 6, 9, 2, 3, 6, 5, 6 1
- (q) Find the simple interest on Rs 3500 for 2 years at the rate of 15 %. 1
- (r) Multiply $(\frac{-8}{9}) \times \frac{3}{4}$ 1
- (s) Find the radius of the circle whose area is 154 cm^2 1
- (t) The angles of a triangle are in the ratio of 2:3:4. Find the measure of the smallest angle. 1

Q.NO

SECTION 'B'-('2' MARKS EACH) – TOTAL – 12 MARKS

Marks

- (2) The sum of two rational numbers is -4 . If one of them is $\frac{-9}{7}$ find the other. 2
- (3) The area of the parallelogram is 620 cm^2 and one of its side is 20 cm. Find the corresponding altitude. 2
- (4) After 15 years, sona will be four times as old as she is now. Determine her present age. 2
- (5) Whether 3.4 cm, 2.1 cm and 5.3 cm be the length of the sides of a triangle? 2
- (6) There are 2500 students in a school out of them 1200 are girls and rest are boys. Find the ratio of numbers boys to number of girls. 2
- (7) In the diagram given below, prove that $\Delta JAK \cong \Delta NAK$ 2



Q.NO

SECTION 'C'-('3' MARKS EACH) – TOTAL – 24 MARKS

Marks

- (8) One of the acute angles of a right triangle is 48° . Find the other acute angle. 3
- (9) A wheel has a radius of 14cm. How many revolutions will it make to travel 704 m? 3
- (10) Draw a ΔPQR , in which $QR = 5.8 \text{ cm}$, $\angle Q = 40^\circ$ and $\angle R = 60^\circ$ 3
- (11) A number is multiplied by 3 and 7 is taken away from the product to get the answer 17. What is the number? 3

