

J & K POLICE PUBLIC SCHOOL MIRAN SAHIB JAMMU

Class : 9th

Time:45 min

Teacher: Iqbal Singh

Subject Mathematics

Max. Marks:20

Mb. 9419258033

ASSIGNMENT 1 (NUMBER SYSTEM)

General Instructions

Q. Nos. 1-2 carry 1 marks each, Q.Nos. 3-4 carry 2 marks each Q. Nos. 5-6 carry 3 marks each and Q.Nos. 7-8 4 marks each.

Q1. Add $2\sqrt{2} + 5\sqrt{3}$ and $\sqrt{2} - 3\sqrt{3}$.

Q2. Which numbers have their decimal expansions non terminating and non repeating ?

Q3. Find five rational numbers between $3/5$ and $4/5$.

Q4. Rationalise the denominator of $1/[7+3\sqrt{3}]$.

Q5. Represent $\sqrt{9.3}$ on the number line.

Q6. Find three different irrational numbers between the rational numbers $5/7$ and $9/11$.

Q7. Express $0.54545454\dots$ in the form p/q , where p and q are integers and $q \neq 0$.

Q8. Represent geometrically the number $\sqrt{5.6}$ on the number line.

OR

Find the value of a and b in $5+2\sqrt{3} / 7 +4\sqrt{3} = a - b\sqrt{3}$