

Half Yearly Examination – 1

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|----------------------------|------------------------------|---|
| 1. a) 22°C | b) $a^2 + b^2 + 4ab$ | c) 9 |
| 2. a) $10\frac{17}{18}$ | b) $60^{\circ}, 120^{\circ}$ | c) 110.5 Km |
| 3. a) 3 | b) -125 | c) $P = \{A, E, I, M, N, O, T, X\}$ $Q = \{3, 5, 7, 9\}$ |
| 4. a) 46 | b) $\frac{-10}{3}$ | c) $4a^2 - 8a + 2$ |
| 5. a) 80° | b) 4^{-1} | c) i) No, Summation of angles of a triangle should be 180° ii) $\frac{4}{3}$ |

Half Yearly Examination – 2

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| 1. a) -29 | b) $\frac{50}{77}$ | c) Rs. 961.42 |
| 2. a) $-\frac{13}{12}$ | b) 1 | c) 110.5 km |
| 3. a) $\frac{1}{12}$ | b) -26 | c) 11 |
| 4. a) 603.656 | b) 0 | c) 4320 |
| 5) a) 5 | b) $\frac{189}{5}$ | c) 706205 |
| 6) a) 479.52 | b) $6\frac{1}{3}$ | c) 16. |

Half Yearly Examination – 3

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| 1. a) $6x^3 - 6x^2 + 3x + 2$ | b) 5 | c) $-\frac{35}{12}$ |
| 2. a) $\frac{7}{5}\text{km}$ | b) 10.46 | c) $5x + y - 6z$ |
| 3. a) 13.132 | b) 18 | c) 7 |
| 4. a) 3 | b) 135 | c) 100 |
| 5. a) -29 | b) Rs.74 | c) $-3p^2 + 3q^2 + 7r^2 - 5pqr$ |
| 6. a) $-\frac{1}{5}$ | b) 11.587 | c) $4x^2 + 4y^2 - 20xy$ |