

Class Test on Post-mid term syllabus

Full marks: 10

Class – VIII

Answer the following questions.

- 1) If $x = y^z$, $y = z^x$ and $z = x^y$, then find the relation between x, y, z . [2]
- 2) A person can finish his work in 25 days, working eight hours a day. If he wants to finish the same work in 20 days, how many hours should he work in a day? [2]
- 3) Solve: $\frac{x-3}{4} + \frac{x-1}{5} - \frac{x-2}{3} = 1$ [2]
- 4) Jaydeev borrows Rs 16,00,000 from a bank for house construction at $12\frac{1}{2}\%$ per annum. Find the amount he has to pay after 1 year if the interest calculated halfyearly. [4]