



D.A.V. PUBLIC SCHOOL, CRRC, Medical Road, Gaya
Sunday Test (Date – 17.11.2024)

Class – VIII Time : 40 Min Sub. – MATHS F.M-20
Section - A (2 × 5 = 10marks)

- 1. Find the amount on ₹12,000 for 3 years at 20% per annum.**
- 2. $\frac{10}{3} \times 3^x - 3^{x-1} = 81$, Find the value if x.**
- 3. If $81^{-2} \div (729)^{1-x} = 9^{2x}$, Find the value of x.**
- 4. At what rate percent will a sum of ₹ 640 be compounded to ₹774.40 in two years?**
- 5. Find the compound interest on ₹15,625 at 16% per annum for 9 months when compounded quarterly.**

Section-B (5 × 2 = 10marks)

- 6. The difference between the compound interest and the Simple interest on a certain sum of money at 15% per annum for 3 years is ₹283.50. Find the sum.**

7. Find the value of x , if :

(a) $2^{2x+2} = 4^{2x-1}$

(b) $8^{255} = (32)^x$