

## Anita's Coaching Classes

Marks : 20

Time : 1hr

- 1) Find the amount and compound interest on Rs 20,000 for 1.5 years at 10% per annum compounded half yearly. Would this interest be more than the interest he gets if it was compounded annually?
- 2) The population of the world in 2008 is 6 billion. It increases at a rate of 1.5% every year. What will be the population 2 years from now? Also estimate what would have been the population in 2006?
- 3) Find the amount to be paid on a loan of Rs 50,000 for 3 years at 12% per annum compounded semi-annually.
- 4) In how much time will a sum of Rs 1000 amount to Rs 1331.20 at 10% p.a. Compound interest?
- 5) At what rate % p.a. will a sum of Rs 7500 amount to Rs 8427 in 2 yrs, compounded annually?
- 6) Find the amount of Rs 12000 after 2yrs, compounded annually, the rate of interest being 5% p.a. during the 1<sup>st</sup> yr and 6% p.a. during the 2<sup>nd</sup> yr.
- 7) Find the difference between the compound interest and the simple interest on Rs 32000 at 12% p.a. for 3 yrs.