# BAL BHARATI PUBLIC SCHOOL <br> Ganga Ram Hospital Marg SA (2) <br> Subject : Mathematics <br> Class - VIII <br> Assignment - 14 <br> CHAPTER - 9 - COMPOUND INTEREST 

Choose the correct option (Question No. 1-5)
Q. 1 In case of compound interest, the Principal $\qquad$ every year.
(a) is same
(b) is double
(c) changes
(d) none
Q. 2 The number of conversions periods for $2^{1 / 2}$ years, when interest is compounded quarterly is
(a) 10
(b) 2.5
(c) 5
(d) 4
Q. 3 The SI on Rs. 15000 at $5 \%$ p.a. for 2 years is
(a)
(b)
Rs. 500
(c)
Rs. 1000
(d) Rs. 750
Q. 4 The CI on Rs. 4000 lent at $10 \%$ p.a. for one year, if the interest is payable half yearly is
(a)
Rs. 400
(b)
(c)
Rs. 420
(d) Rs. 410
Q. 5 In case of depreciation, R is replaced by
(a) $\frac{1}{R}$
(b) $\quad R^{-1}$
(c) $\quad-R$
(d) $\mathrm{R}^{2}$
Q. 6 Rohan deposited Rs. 8,000 with a finance company for 2 years at an interest of $15 \%$ per annum. What is the compound interest that Rohan gets after 3 years?
Q. 7 Raj obtained a loan of Rs. 20,000 from State Bank of India to renovate his house. If the rate of interest is $16 \%$ per annum, find the compound interest he will pay after 3 years.
Q. 8 Find the compound interest on Rs. 1,000 at the rate of $8 \%$ per annum for $1 \frac{1}{2}$ years when the interest is compound half-yearly.
Q. 9 Find the compound interest on Rs. 10,000 at $20 \%$ per annum for 9 months, if the interest is compounded quarterly.
Q. 10 Daljit received a sum of Rs. 40,000 as a loan from finance company. If the rate of interest is $7 \%$ per annum compounded annually, calculate the compound interest that Daljit pays after 2 years.
Q. 11 A man borrowed Rs. 25,000 from a finance company at $20 \%$ per annum. What amount of money will discharge his debt after 2 years? Also find the difference between compound interest and simple interest.
Q. 12 Zaved got a loan of Rs. 8,000 against his fixed deposits to purchase a scooter. If the rate of interest is $10 \%$ per annum compounded half-yearly, find the amount that be pays after a year and a half.
Q. 13 Find the amount of Rs. $1,25,000$ after 3 years, when the interest is compounded annually at the rate of $6 \%$ per annum.
Q. 14 On what principal will the compound interest at $5 \%$ per annum for 2 years compounded annually be Rs. 164 ?
Q. 15 At what rate per cent compound interest per annum will Rs. 640 amount to Rs. 774.40 in 2 years?
Q. 16 The difference in simple interest and compound interest on a certain sum of money at $6 \frac{2}{3} \%$ per annum for 3 years is Rs. 46. Determine the sum.
Q. 17 At what rate per cent per annum will a sum of Rs. 4,000 yield compound interest of Rs. 410 in 2 years?
Q. 18 Find the compound interest at the rate of $5 \%$ per annum for 3 years on that principal which is 3 years at the rate of $5 \%$ per annum gives Rs. 1,200 as the simple interest.
Q. 19 In how many years will Rs. 6,750 amount to Rs. 8,192 at $6 \frac{2}{3} \%$ per annum interest, compounded annually.
Q. 20 The difference between S.I. and C.I. of a certain sum of money is Rs. 48 at $20 \%$ per annum for 2 years. Find the principal.
Q. 21 At what rate per cent compound interest per annum will Rs. 1,250 amount to Rs. 2,160 in 3 years?
Q. 22 Find the compound interest at the rate of 5\% for three years on that principal which in 3 years at the rate of $5 \%$ per annum gives Rs. 3,000 as simple interest.

