SA (2)
Subject : Mathematics
Class – VIII
Assignment – 14
CHAPTER – 9 - COMPOUND INTEREST

Choose the correct option (Question No. 1 – 5)

Q.1 In case of compound interest, the Principal _____ every year.
(a) is same (b) is double (c) changes (d) none

Q.2 The number of conversions periods for 2½ 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) Rs. 1500 (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) Rs. 550 (c) Rs. 420 (d) Rs. 410

Q.5 In case of depreciation, R is replaced by
(a) $\frac{1}{R}$ (b) R^{-1} (c) $-R$ (d) 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.