

Note : (i) All questions are compulsory & carrying equal marks.

(ii) Use of simple calculator is allowed.

(iii) Figures to the right indicate full marks to corresponding questions.

Q1) A) Choose the correct alternative. (Attempt Any 8) (08)

- i. The rate of dividend is given for _____ of a share.
(a) market value (b) face value (c) (a) or (b) (d) None of these
- ii. The units of mutual fund must be purchased or redeemed in _____.
(a) whole numbers (b) fractions (c) (a) or (b) (d) None of these
- iii. If the simple interest on Rs 30,000 for 4 years is Rs 9,600, the rate of interest p.a. is _____.
(a) 6% (b) 10% (c) 8% (d) none of these
- iv. The percentage profit is calculated on _____.
(a) Net Selling price (b) Cost price (c) Discounted List price (d) None of these
- v. The brokerage for the buyer of a flat is to be _____ while considering the total amount for the buyer.
(a) added (b) subtracted (c) multiplied (d) none of these
- vi. If 12, 16, k & 20 are in proportion, the value of k is _____.
(a) 14 (b) 15 (c) 16 (d) None of these
- vii. An agent may get a commission in a deal for
(a) Selling (b) Buying (c) Both (a) & (b) (d) None of these
- viii. The Compound Interest on Rs 10,000 at 5% p.a. for 3 years is
(a) Rs 1500 (b) Rs 1600 (c) Rs 1400 (d) None of these
- ix. Mutual funds are managed by
(a) Board of Directors (b) Asset Management Companies (c) SEBI (d) None of these
- x. If a share is sold at par of its face value, then its Market price is _____ its face value.
(a) Same as (b) face value (c) (a) or (b) (d) None of these

Q1) B) State whether True or False. (Any 7) (07)

- i. The units of a mutual fund must be purchased or redeemed in fractions.
- ii. EMI consist of two parts: interest part and the principal part.
- iii. The buyer has to pay the seller and the broker both.
- iv. The trade discount is calculated on List price.
- v. If $\frac{a}{b} = \frac{c}{d}$ then $\frac{a-b}{b} = \frac{c-d}{d}$.
- vi. The list price cannot be calculated if only the rates of discounts & the net selling price are given.
- vii. EMI Increases if the total payment period is increased.
- viii. The return on a shareholders investment is called dividend.
- ix. The amount of commission on agent receives is directly proportional to total transaction amount.
- x. The effective rate of interest in an annuity is always less than its stated rate of interest.

Q2) A) Shekhar, Vishal and Sunil are partners in a business. Shekhar receives 20% of the total profit, Vishal gets 75% of the remaining profit & Sunil gets the rest. If Sunil got Rs 48,000 as his share of profit find the total profit and the shares of Shekhar and Vishal. (08)

B) A shopkeeper had a stock of 100 pairs of bangels with total cost of Rs 5,000. He sold 60 pairs with 20% profit, 30 pairs with 25% profit and remaining with 10% loss. Find his total percentage profit. (07)

OR

P) A merchant pays 10% commission on total sales and pays del credere at a rate of 4% on credit sales. If cash sales were Rs 4,500 and Credit Sales were Rs 7,000 find the total commission earned by the agent. (08)

Q) Income of A, B, C are in the ratio 7:9:12 and their expenditures are in the ratio (07)

8:9:10. If A saves $(\frac{1}{4})^{\text{th}}$ of his income, find the proportion of their savings.

Q3) A) Kanchana wanted to invest a certain amount in a bank at a certain rate of compound interest. The bank promised to pay her Rs 73,205 if she invested it for 4 years and Rs 88,578.05, if she invested it for 6 years. Find the principal amount she wanted to invest and the rate of compound interest. (08)

B) Anurag took a loan of Rs 60,000 with 10% interest per month, to be repaid in 5 months. Calculate the EMI using reducing balance. Also calculate the interest and the principal repayment components for each EMI. (07)

OR

P) Anu deposited Rs 25,000 at the end of every year for 3 years. He received interest at 12% p.a. Compounded quarterly. Find the effective rate of interest and accumulated value after 2 years. (08)

Q) Manisha deposits Rs 500 with 12% compound interest for 3 years. Find the final amount if. (07)

(i) payment is at end of each month

(ii) payment is at the end of each quarter

Q4) A) Lily purchased 500 shares of market price Rs 380 per share and afterwards sold them with a market price of Rs 450 per share. She had to pay 0.2% brokerage for both deals. Find the purchase and sales amount & also the profit she gained. (08)

B) Vaibhav invested Rs 73,500 partly in an 8% stock at Rs 150 and the remaining in a 5% stock at Rs 120. His incomes from these two stocks were in the ratio 4:3. How much did he invest in stocks. (07)

OR

P) Viren invested Rs 28,000 in a Mutual fund on 7-04-2008 with NAV of Rs 270.1425. He received a dividend @ Rs 8 per unit on 18-07-2008 with total gain of Rs 9,342.58. Find NAV at which he redeemed the units by considering 2.25% entry load and 1% exit load. (08)

Q) Calculate NAV of M.F in the following case, No. of units = 10,000, market value of Government Securities = Rs 5 lakhs, market value of Corporate bonds = 10 lakhs, other Assets = Rs 50,000, Liabilities of the fund = Rs 80,000, payable by the fund = Rs 20,000. (07)

Q5) a) Explain the term Proportion and types of proportion. (08)

b) Explain shares & types of shares. (07)

OR

Q5) Write any three short notes.

a) Equity shares & Preference shares. (05)

b) Close Ended M.F. and Open end M.F. (05)

c) Commission & Brokerage (05)

d) Invoice price, cash discount & Net price (05)

e) What is Ratio? Types of Ratio (05)

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