



- NOTE: i) All questions are compulsory.  
 ii) In Q.1, attempt both sections A and B.  
 iii) Figures to the right indicate marks.  
 iv) Use of non-programmable calculator is allowed.

**Q 1) A. Fill in the blanks with correct alternative. (Attempt any Eight)**

[8]

- i. If 12% of certain amount is Rs. 270, then amount is Rs. \_\_\_\_\_  
( 2250, 12400, 1320, 1200)
- ii. The inverse ratio of 3:7 is \_\_\_\_\_.  
( 9:49, 6:14, 7:3, none of these)
- iii. The invoice price minus cash discount is called as \_\_\_\_\_ price.  
(list, reduced list, NSP, cost)
- iv. Rs. 40000 are invested at 8% p.a. compound interest. The interest in the fourth year is Rs. \_\_\_\_\_.  
( 4312.08, 4000, 4135.22, 4031.08)
- v. An annuity whose number of payments depends on the happening of an event is called as \_\_\_\_\_ annuity.  
( contingent, perpetual, immediate, level)
- vi. IPO stands for \_\_\_\_\_  
  - a. Initial Public Officer
  - b. Initial Public Offense
  - c. International Provident Organization
  - d. Initial Public Offer
- vii. An investment plan which allows an investor to invest a fixed sum of money at regular intervals is called as \_\_\_\_\_.  
( SIP, NAV, FSP, None of these)
- viii. The person who finalizes the deal between seller and buyer is called as \_\_\_\_\_.  
(broker, agent, dealer)
- ix. Cumulative shares are the type of \_\_\_\_\_ shares.  
( preference, equity, ordinary)
- x. In annuity, \_\_\_\_\_ interest is always used.  
( simple, compound, both, rate)

**Q 1) B. State whether the following statements are True or False. (Attempt any seven)**

[7]

- I. Duplicate ratio is one of the type of compound ratio.
- II. Percentage of  $\frac{3}{8}$  is 37.5%.
- III. If an agent charged 8.5% commission on sales and earned Rs. 4794 then the value of sales is 50000.
- IV. Simple interest is always greater than compound interest.
- V. Level annuity is also known as uniform annuity.
- VI. The broker usually charges the brokerage as a percentage of the par value.
- VII. The number of units of a mutual fund that can be purchased or redeemed is usually an integer only.
- VIII. Triplicate ratio is same as inverse ratio.
- IX. 5% of 600 is 30.
- X. NFO stands for New Fund Organization.

Q.2.

A. A and B are partners sharing profit in the ratio 3:7. They admit a new partner C, giving him  $\frac{3}{13}$  share in total profit. What will be A's and B's share in the total profit? In what ratio will A, B and C share the total profit?

[8]

B. After giving a huge 50% discount on a shirt in a sale, it was sold at Rs. 1200, and the seller made 100% profit. Find the list price and cost price of the shirt.

[7]

OR

C. A and B are partners in a business with their capitals as Rs. 2,00,000 and Rs. 3,00,000 respectively. C wishes to join the business with a capital of Rs. 3,00,000 at the beginning of a financial year. They agree that goodwill will be taken as twice the average profit for the last 3 years. Last 3 years profits are Rs. 90,000, Rs. 70,000 and Rs. 80,000 respectively. Find the goodwill amount that C would be required to pay A and B respectively.

[8]

D. A merchant sold a sari listed at Rs. 6000 giving 10% trade discount on the list price and a further 1% discount on the inverse price for cash payment. Find NSP.

[7]

Q.3.

A. A sum of money been invested at simple interest at a certain rate for 4 years. Had it been invested at a rate 2% higher than the present rate, it would have given Rs. 72 more. Find the sum.

[8]

B. Mr. Amol kirkire invested Rs. 6000 at the end of each year at 10% compound interest rate for some years and received Rs. 19860 as an accumulated amount. For how many years did he invest?

[7]

OR

C. A loan of Rs. 1,00,000 is to be repaid in 4 equal installments with the first installment at the end of the first year. Take rate of interest is 10% p.a. Find an installment using reducing balance method and also make amortization table.

[8]

D. At what rate per cent per annum compound interest will Rs. 4000 amount to Rs. 6000 in 2 years if the interest is compounded half-yearly?

[7]

Q.4.

A. A sum of Rs. 51,102 was invested in 4% stock at 85. After the dividend was received, the stock was sold at Rs. 80. The brokerage was 0.2% on purchase and 0.3% for sale. Find the rate of return on investment.

[8]

B. Mr. Soli Udwardia invested Rs. 25,000 in 'J.P. Morgan India Equity Fund' in the N.F.O. on 14<sup>th</sup> June, 2007 when the NAV was Rs. 10 per unit and the entry load was 2.25%. What was the value of Mr. Udwardia's units on 14<sup>th</sup> June, 2007?

[7]

OR

C. Mr. Sudarshan Tilak has instructed and authorized 'HDFC Liquid Fund-Growth' to invest Rs. 1000 for 3 months, on the 10<sup>th</sup> of each month, starting from October 2007 by transferring Rs. 1000 directly from his bank account. The actual transaction takes place on the first working day after the 10<sup>th</sup> of each month. Accordingly Rs. 1000 each was invested on 10/10/2007, 12/11/2007 and 10/12/2007 when the NAV was rs. 15.4862, Rs. 15.5919 and Rs. 15.6885 respectively, with no entry load. Find Tilak's average acquisition cost per unit.

[8]

D. Mr. Akshay rane, a broker, bought some shares of face value Rs. 10 at a 50% premium and sold them after a month at a 65% premium. Find his rate of return on investment.

[7]

Q.5.

A. Write short notes on following (Any 3):

[15]

1. Types of load
2. Brokerage with an example
3. Variation
4. Type of Compound ratio
5. Equity shares

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