

- NOTE: (1) All questions are compulsory.
 (2) All questions carry equal marks.
 (3) Figure to the right indicate full marks

Q.1 (A) Fill in the blanks by choosing the correct option: (Any Eight) (8)

- 1) The duplicate ratio of 3 : 2 is _____
 a) 6 : 4 b) 4 : 9 c) 5 : 2 d) 6 : 1
- 2) If 12, 16, K and 20 are in proportion, the value of K is _____
 a) 14 b) 15 c) 16 d) None of these
- 3) The list price minus the trade discount is called the _____
 a) Invoice price b) Net selling price c) Cost price d) None of these
- 4) An agent who guarantees the collection of dues from the customer is called _____
 a) Guarantor b) Factor c) Del credere d) Middle man
- 5) An annuity in which the number of payments depends upon the happening of some event is _____
 a) Life annuity b) Contingent annuity c) Perpetual annuity d) None of these
- 6) The present value is always _____ the future value.
 a) More than b) Less than c) Equal to d) Independent of
- 7) The shares which are paid a dividend at a rate which is decided by the board of Directors of a company are known as _____
 a) Equity shares b) Preference shares c) a) or b) d) None of these
- 8) The simple interest on Rs. 4,500 for 2 years at 6% per annum is _____
 a) 504 b) 5,400 c) 540 d) None of these
- 9) A term that is not used for indicating the value of a shares that is written on the share certificate is _____
 a) Par value b) Nominal value c) face value d) Market value
- 10) 8% shares means _____
 a) Current share price is 8 % of FV b) Dividend is 8% of FV
 c) Profit of the company d) None of these

B) State whether the following statements are true or false (Any Seven) (7)

- 1) 2 : 3 and 3 : 2 are the inverse ratio of each other.
- 2) Profit percentage is always calculated as a percentage of N. S. P.
- 3) Printed price of goods are called invoice price.
- 4) While calculating simple interest, nominal rate of interest will be different than the effective rate of interest.
- 5) An annuity is a sequence of payments made at successive time periods.
- 6) The brokerage charged for selling a share is calculated as a percentage of the face value of a share.
- 7) If price at which a share is sold on the stock exchange is called market value.
- 8) It is not possible to purchase fractional units of a mutual fund.
- 9) For a mutual fund, NAV stands for the National Average Value.
- 10) A fee levied on an investor at the time of purchasing units is called exit load.

Q.2 A) Find three positive numbers in the ratio 1 : 4 : 2 such that the sum of their square is equal to 1,701. (8)

B) A manufacturer gives his agent 6% commission plus 3% del credere. The agent sold goods worth Rs. 22000. What amount should the agent give the principle, after deducting his commission? (7)

OR

- P) After giving a huge 50% discount on a shirt in a sale, it was sold at Rs.1,200, and the seller made 100% profit. Find the list price and the cost price of the shirt. (8)
- Q) In 7 days, 9 workers make 21 toys. In 4 days, how many toys will 6 workers make? (7)
- Q.3 A) On what sum of money will the difference between compound interest and the simple interest for 2 years at 6% p.a. will be 27.36? (8)
- B) A loan of Rs. 50,000 is to be returned in 3 monthly instalments, the rate of interest being 24% p.a. Find the EMI using flat interest rate. (7)

OR

- P) Mr. Kishor Nanavati plans to save for his son's education for which he wishes to accumulate Rs. 10,00,000 at end of 3 years. How much should he invest at the end of each year from now in an investment fetching interest compounded at 10% p.a? (8)
- Q) Find the simple interest on Rs. 80,000 from 20th June to 8th September of 2005 at 13% p.a. (7)
- Q.4 A) Mr. Amit invested Rs. 48,000 in 'Reliance Liquid Fund' on 31st May, 2007 at an NAV of Rs. 18.3115. He redeemed all the units on 23rd October, 2007 and earned a 2.7387% rate of return on his investment. Find the NAV on 23rd October, 2007 correct upto 4 decimal places, if there was no entry or exit load. (8)
- B) A person sold 50,000 Rs. 10 shares at a price of Rs. 23 and paid 0.35 brokerage. What was the amount received by him? (7)

OR

- P) Mr. Hari Naidu invested in some 10% Rs. 100 shares at Rs. 90 each through a broker who charges 0.2% on the purchase. After receiving the dividend, he sold the shares at Rs. 105 each, paying 0.4% brokerage. Find Mr. Naidu's rate of investment. (8)
- Q) Ravi invested Rs. 15000 in a mutual fund when the NAV was Rs. 230 and entry load was at 2.25%. Find the number of units received by him (7)
- Q5. A) Explain briefly types of shares. (8)
- B) Write the difference between Trade discount and Cash discount. (7)

OR

- P) Short notes (Any three) (15)
- 1) Properties of variation
 - 2) List price and invoice price
 - 3) Equated Monthly Instalments (EMI)
 - 4) Certain annuity and indefinite annuity
 - 5) Simple interest and compound interest.