

Time: 2½ hrs.

Marks:75

Note:

1. All questions are compulsory with internal choice.
2. Draw neat diagrams wherever necessary.
3. Figures to the right indicate full marks.

Q.1 (A) Fill in the blanks with the correct answer from the alternatives given below. (08)

(Attempt any 8)

- i) A ratio is a fraction which enables us to compare two items of the \_\_\_\_\_ kind.
  - a) Same
  - b) Different
  - c) Alternate
  - d) Continued
- ii) A \_\_\_\_\_ is a name given to a statement that the two ratios are equal.
  - a) Proportion
  - b) Extremes
  - c) Mean
  - d) Average
- iii) Amit and Sumit together invested Rs 10,00,000 in a business. If Amit's investment was 55% of the total amount. What is Amit's actual investment?
  - a) 4,50,000
  - b) 5,50,000
  - c) 6,50,000
  - d) 7,50,000
- iv) The cash discount is calculated on \_\_\_\_\_.
  - a) Selling price
  - b) Cost price
  - c) List price
  - d) Reduced list price
- v) The percentage loss is calculated as \_\_\_\_\_.
  - a)  $(\text{Loss}/\text{SP}) \times 100$
  - b)  $(\text{Loss}/\text{MP}) \times 100$
  - c)  $(\text{Loss}/\text{CP}) \times 100$
  - d)  $(\text{Loss}/\text{Net SP}) \times 100$
- vi) \_\_\_\_\_ is allowed on the amount of bill for ready cash transaction or on payment of the bill within a specific period.
  - a) Cash Discount
  - b) Trade Discount

- c) Commission
- d) Brokerage

vii) When the EMI are calculated using present value of an annuity using compound interest, the method is called \_\_\_\_\_.

- a) Flat rate method
- b) Reducing balance method
- c) Repayment method
- d) Principal method

viii) The compound interest on any amount for a fixed period is always \_\_\_\_\_ the corresponding simple interest.

- a) Less than
- b) Equal to
- c) More than
- d) Less than or equal to

ix) \_\_\_\_\_ shares are sold in the market to the public, thereby collecting the required huge capital for the company.

- a) Equity
- b) Preference
- c) Bonus
- d) Split

x) The \_\_\_\_\_ shares are issued to existing equity shareholders.

- a) Split
- b) Preference
- c) Bonus
- d) Equity

**Q.1 (B) State whether the following statements are true or false. ( Attempt any 7) (07)**

- i) The continued ratio of 3 similar quantities is written as a: b: c.
- ii) When the ratio of two quantities is expressed as a: b, then a is called antecedent.
- iii) If selling price equals cost price, there is no profit no loss, this case is called breakeven point.
- iv) Selling price is the price before any discount is subtracted from it.
- v) The brokerage for a seller is to be added in the sales value while calculating total amount of the seller receives.
- vi) An agent may charge commission for purchasing a commodity in bulk.
- vii) If simple interest and principal are known then rate of interest can be calculated.
- viii) EMI consists of two parts – interest part and the principal part.
- ix) The return on the shareholders investment is called load.
- x) The bonus shares are sold in the market to the public.

- Q.2 (a) Find three numbers in the ratio 1:2:3 such that sum of their squares is 686. (07)  
 (b) Monthly salaries of Mr. Patil and Mr. Pawar are in the ratio 7:8 and their monthly expenditures are in the ratio 6:7. If both of them save Rs 500 per month, find their monthly salaries. (08)

OR

- Q.2 (p) A, B and C are partners in a business firm. A gets 25% of the total profits, B gets 60% of the remaining profits and C gets the rest. If C gets Rs 24,000, find the total profit. (07)  
 (q) A sofa set was made at a cost of Rs 18,000 and was sold at 15% profit. Find its selling price. (08)

- Q.3 (a) A shopkeeper had a stock of 100 pairs of bangles with total cost of Rs 5,000. He sold 60 pairs with 20% profit, 30 pairs with 25% profit and the remaining with 10% loss. Find his total percentage profit. (07)  
 (b) A firm allows trade discount of 25% and a further discount of 10% for cash payment. Find the net selling price of an article which is listed for Rs 400. (08)

OR

- Q.3 (p) A simple interest of Rs 3240 is received after 3 years on a certain principal at the rate of 9% per annum. How much simple interest will be obtained after 5.5 years from the same principal at the rate of 7% per annum. (07)  
 (q) The difference between the simple interest and the compound interest on a certain principal for 4 years at 8% per annum is Rs 648. Find the principal. (08)

- Q.4 (a) An amount of Rs 15,000 is invested at 8% per annum, compounded annually. Calculate amount after 3 years and total compound interest in three years. (07)  
 (b) Aniket invested Rs 61,357.5 in equity shares of Rs 100 each at a market price of Rs 135 per share. Later he sold these shares at a market price of Rs 160 per share. He paid 1% brokerage on each transaction. Find his net gain and also the percent gain (08)

OR

- Q.4 (p) Sunrise industry issued 80,000 shares of par value Rs 10 each. A dividend of Rs 24,000 was declared by the company. Calculate the rate of dividend for the company. (07)  
 (q) Kiran invested Rs 25,000 in a mutual fund on 1<sup>st</sup> May, 2008 when the NAV was Rs 1073.2568. He redeemed the units on 8<sup>th</sup> July, 2008 with NAV of Rs 1349.6395. There was no entry load or exit load. Find the number of units purchased, the gain and the rate of return. (08)

- Q.5 (a) 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 method. Also calculate the interest and the principal repayment components for each EMI. (07)  
 (b) A hotel chef prepared 50 pizzas on a day with a cost of Rs 120 per piece. During a (08)

day only 40 pizzas were sold at Rs 160 per piece and the remaining had to be thrown out as a trash on the next day. What is the percentage gain or loss?

OR

**Q.5 Write a short note on: (Attempt any 3)**

**(15)**

- i) Bonus shares and split shares
- ii) Ratio and proportion
- iii) Cash discount and Trade discount
- iv) Brokerage and Commission
- v) Mutual Fund

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