[Time: 2 ½ e Hours]   **[Marks:75]**

Please check whether you have got the right question paper.

N.B: 1.   All questions are compulsory.
2.   Figures to the right indicate full marks.
3.   Use of only ordinary calculate is allowed.

Q.1   **A)** Choose the correct alternatives from the following: **(attempt any eight)**   **08**

1) The sub-triplicate ratio of 27:8 is ----------------.
a)   3:2
b)   9:4
c)   9:2
d)   None of these

2) The fourth proportional to 21,30 and 35 is --------------.
a)   50
b)   18
c)   24.5
d)   None of these

3) In joint variation one variable jointly varies with ----------- other variable.
a)   Two
b)   More
c)   a) or b)
d)   None of these

4) An annuity in which the number of payments are fixed is called----------------.
a)   Fixed annuity
b)   Limited annuity
c)   Immediate annuity
d)   Fixed certain

5)   The future value of an amount is always -------------- its present value.
a)   Greater than
b)   Less than
c)   Equal to
d)   None of these

6) A person who brings together a buyer and seller and negotiates a settlement for a
remuneration is called ----------------------------.
a)   Auctioneer
b)   Broker
c)   Del credere
d)   None of these

7) Invoice price - cash discount = -------------.
   a) List price
   b) Reduced list price
   c) Net selling price
   d) Cost price

8) The simple interest on Rs. 4500 for 2 years at 6% p.a. is ----------------.
   a) 504
   b) 5400
   c) 540
   d) None of these

9) The price at which a share is sold on the stock exchange is called.
   a) Off-line price
   b) Face value
   c) Stock price
   d) Market price

10) A load is expressed as a parentage of --------------.
    a) SIP
    b) NFO
    c) NAV
    d) AMC

B) State whether the following statements are true or false (attempt any seven)
   1) The payment of an annuity are made at the and of periods, the annuity is called immediate annuity.
   2) Percentage is a ratio with 100 as its denominator.
   3) Discount is deduction in cost price of goods.   **07**
   4) The inverse ratio of $7:4$ $is \frac{1}{4} : \frac{1}{7}$
   5) Cost price + profit = Net selling price.
   6) Commission is usually charged as a percentage.
   7) Equity shares are sold / purchase in secondary market.
   8) Compound interest is always calculated on yearly basis.
   9) Annuity means unequal payments.
   10) Trade discount and cash discount are same.

Q.2 A) A,B and C started a business with a total capital of Rs. 1,00,000. At the end of the year,   **08**
         the profits received by A,B and C were Rs. 2000, Rs. 3000 and Rs. 5000 respectively. Find
         the amount of capital invested by B.
      B) A person earned 12% profit by selling an article of Rs. 4,144. What would have been the   **07**
         selling price if it was sold at 16% profit?

OR

C) An estate broker charged 1.75% commission to the buyer and 2.25% commission to the flat owner. Find the amount received by the flat owner and the broker and also the amount paid by the buyer. **08**

D) What number must be added to each of the number 4,12 and 28 so that the resulting number are in continued proportion. **07**

Q.3 A) On what sum of money will the difference between the compound interest and the simple interest for 2 years at 4 % p.a. be Rs. 56? **08**

B) Mr. Kumar plans to save for his son's education for which he wishes to accumulate Rs. 10,00,000 at the 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? **07**

OR

C) A loan of Rs. 50,000 is to be returned in 3 equal monthly instalments the rate of interest being 24% p.a. **08**
   a) Find the EMI using reducing balance method.
   b) Find the EMI using flat interest rate method. **07**

D) Find the maturity amount of a 4 years fixed deposit of Rs. 1,00,000 at 10 % p.a. if the interest is compounded
   a) Semi annually
   b) Quarterly.

Q.4 A) Deepali invested in shares of Birla Industries of face value Rs. 100, she received Rs. 1,425 as total dividend at 9.5 % find the number of shares she bought. **08**

B) Sai invested Rs. 50,000 in ONGC M.F. When N.A.V of Rs. 220. Find number of unit purchase, if there is no entry load. **07**

OR

C) Priya invested Rs. 3,000 every month for 4 months in UBI systematic Investment plan (SIP) with N.A.V of Rs. 42,40,43 and 45 respectively the entry load 1% after 10 months. She sold all the units when NAV of Rs. 50, find average (mean) price of I unit. Also find her net profit or loss. **10**

D) Find the total dividend at 10% on 340 shares of face value Rs. 10 each. **05**

Q.5 A) Explain: Discount, trade discount and cash discount. **08**
B) What is systematic Investment plan? **07**

OR

Q. 5 Write short notes **(any 3)** **15**
   a) Proportion
   b) Commission agent
   c) Types of annuity
   d) EMI
   e) Mutual fund.

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