(2.30 Hours)   Marks : 75

NB :   (1) All questions are Compulsory.

(2) Attempt either **A and B** or **P and Q**

Q.1.A) fill in the blanks by choosing correct option: (Attempt any 8)   (8 marks)

1) The duplicate ratio of 3:2 is _____ .

a) 6:4   b) 9:4   c) 5:2   d) 6:1

2) If A: B =3:4 and B:C =8:9, then A:C is_____.

a) 2:3   b) 3:2   c) 6:1   d) 4:6

3) Commission is usually calculated as a percentage of _____.

a) Cost price   b) net selling price   c) list price   d) Invoice price

4) List price minus trade discount is called the _____

a) Invoice price   b) net selling price   c) reduced cost price   d) cost price

5) Which of the following terms is not used for the future value?

a) Discounted value   `b) Sum Due   c) Accumulated value   d) Amount

6) The present value is always _____ the future value.

a) More than   b) Less than   c) equal to   d) independent of

7) If the payments of an annuity are made at the end of periods, the annuity is called.

a) Uniform annuity   b) Immediate Annuity   c) Due annuity   d) None of these

8) The full form of SEBI is

a) Stock Exchange Board of India   b) Securities and Exchange Board of India

c) Systematic Exit Benchmark of Investment   d) Stock Exchange Board of Investment

9) An investment plan which allows an investor to invest a fixed sum of money at regular intervals is called

a) SIP   b) NAV   c) FSP   d) none of these

10) The price at which a share is sold on the stock exchange is called

a) Off-line price   b) Stock price   c) face value   d) market price

Q.1.B) State whether the following statements are true or false: (attempt any seven)   7 marks

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1) The fourth proportional to 1, 3 and 9 is 12.

2) Percentage is a ration with denominator 100.

3) A del credere agent is an agent who does not charge any commission from the seller.

4) EMI stands for expected monthly instalments.

5) Simple interest is always less than compound interest.

6) Nominal rate of interest is an stated rate of interest per annum.

7) Cost Price + Profit = Net selling Price

8) A mutual fund can never make a loss.

9) Par value and nominal value of a share are same.

10) The dividend given is calculated as a percentage of the face value of a share.

Q.2.A)   8 marks

A, B & C started a business with a total capital of Rs. 3,00,000. At the end of the year, the profits received by A, B and C were Rs. 10,000, Rs. 25,000 and Rs. 15,000 respectively. Find the amounts of Capital invested by A, B and C.

Q.2.B)   7 marks

An agent was paid Rs. 22,275/- as commission on the sale of certain brand of TVs. If the rate of commission was 12% and the price of each TV was Rs. 6,875, Find the number of TVs he sold.

OR

Q.2.P)   8 marks

A merchant gives 30% trade discount and a further 2% discount for cash payment and still makes 37.2% profit on cost. If the listed price of an item is Rs. 4,000, find the merchant's cost price.

Q.2.Q)   7 marks

Mother divided the money among Ron, Sam and Maria in the ratio 2:3:5. If Maria got Rs. 150, find the total amount and the money received by Ron and Sam.

Q.3.A)   8 marks

The difference between simple interest and compound interest on a principal for 2 years is Rs. 76.8. The simple interest on the same principal for 4 years is Rs. 3,840. Find the principal and the rate of interest.

Q.3.B)   7 marks

What is the accumulated value after 4 years of an immediate annuity of Rs. 8,000/-p.a. , the rate of interest being 8% p.a.?

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OR

Q.3.P) 8 marks

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

Q.3.Q) 7 months

Find the effective equivalent to the nominal rate 16% per annum when compounded (i) half- yearly (ii) quarterly

Q.4.A) 8 marks

Anuj invested Rs. 12,000 on 10th August, 2008 at NAV of Rs. 43.378. Afterwards he redeemed all his units on 27th October , 2008, with total gain of Rs. 875.15. if the entry load was 2.25% and exit load was 1%, find the NAV on 27th October, 2008.

Q.4.B) 7 marks

Find the market value of a shares if an investment of Rs. 1,09,350 in 20% Rs.100 shares gave a total dividend of Rs. 9000.

OR

Q.4.P) 8 marks

Mr. Ashok purchased 400 shares of a company of face value Rs. 10 , at a market price of Rs. 120 each. After 3 months he received dividend at 40%. After 6 months, he sold the shares at a market price of Rs. 160. He paid brokerage at 0.4% for both the transaction. Find his gain.

Q.4.Q) 7 marks

Samar invested 2,00,000 in a Mutual Fund on 20th January, 2011 at NAV of Rs. 54.8. He redeemed all units on 30th April, 2011 with NAV of 70.2. There was neither entry load nor exit load. Find his gain, rate of return and annualized rate of return.

Q.5.A) 8 marks

Define Annuity and explain the types of Annuity?

Q.5.B) 7 marks

What is Systematic Investment Plan?

OR

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Q.5) write any three short notes   15 marks

a) Simple and compound interest

b) Types of Annuity

c) Trade discount and cash discount

d) Mutual Funds

e) Continued ratio

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