

Q.P. Code :785200

(2½ Hours)

[Total Marks :75

- N.B. : (1) All questions are **compulsory** and carry **equal** marks.
(2) Use of simple **calculator** is **allowed**.
(3) **Figures** to the right **indicate** full marks of **each subquestions**.

1. (a) Attempt any **Eight** of the following :

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- (1) The sub-triplicate ratio of 1:64 is -----
(a) 64:1 (b) 3:192
(c) 1:16 (d) 1:4
- (2) Cash discount is usually calculated as a percentage on the -----
(a) cost price (b) net selling price
(c) invoice price (d) list price
- (3) An annuity in which the number of payments is fixed is called -----
(a) Fixed Annuity (b) Limited Annuity
(c) Annuity certain (d) Immediate Annuity
- (4) If the market value of a share is less than its face value, then the share is said to be -----
(a) at a premium (b) at par
(c) below par (d) none of these
- (5) 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
- (6) The difference between the total assets and total liabilities of a mutual fund, dividend by the number of units outstanding is called -----
(a) Net profit (b) Net Asset value
(c) Assets per unit (d) Market value
- (7) 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

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(8) 8% of 120 is -----

- (a) 96 (b) 9.6
(c) 960 (d) none of these

(9) The simple interest on ₹ 4500 for 2 years at 6% per annum is -----

- (a) 504 (b) 5400
(c) 540 (d) none of these

(10) The fourth proportional to 21,30 and 35 is -----

- (a) 50 (b) 18
(c) 24.5 (d) none of these

(b) State whether the statements are true or false. (Attempt any Seven of the following.) 7

- (1) 5:7 and 7:5 are inverse ratio of each other
(2) A del credere agent is an agent who does not charge any commission from the seller.
(3) Loss is a negative profit.
(4) Present value is amount is also called as discounted value.
(5) Annuity calculations usually use simple interest.
(6) For a mutual fund, NAV stands for the National Average value.
(7) A mutual fund can never make a loss.

(8) $\text{Loss \%} = \frac{\text{Loss}}{\text{Cost price}} \times 100$

(9) Reduction of the face value of a share is achieved by giving bonus shares.

(10) In uniform annuity all payments are equals.

2. (a) Anita, Binita and Sunita invested ₹70,000, ₹50,000 and ₹80,000 respectively in a business. At the end of year sunita received ₹16000 as her share in the profit. Find Anita's and Binita's share in profit. 8

(b) After giving a 15% trade discount and a farther 5% cash discount a manufacturer sold a chair for ₹4522 find its list price. 7

OR

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2. (p) An insurance company pays 20% of the annual premium as commission to its agent in the first year 9% in the second and third year and 7.5% in each subsequent year. A customer insured his house through an agent and his annual premium was fixed at ₹30,000 upto now he has paid seven years annual premium. Find the agent's total commission upto now. **8**
- (q) 40 workers can make 16 shelves in 8 days. How many days will 30 workers take to make 24 shelves? **7**
3. (a) The compound interest and the simple interest on a sum of money at a certain rate for 2 years is ₹8200 and ₹8000 respectively find the sum and the rate. **8**
- (b) A loan of ₹10,000 is to be returned in 4 equal monthly instalment at 12% p.a calculate the EMI using reducing balance method. **7**
- OR**
3. (p) The simple interest on ₹30,000 for 5.5 years at 8% p.a is 6950 more than the simple interest on ₹50,000 for 2.5 years at a certain rate. Find the rate. **8**
- (q) Find the accumulated value after 3 years of an immediate annuity of ₹10,000 p.a with interest compounded annually at 7% p.a. **7**
4. (a) A company declared an annual dividend of 8%. Find the annual dividend of Mr. Venu Menon who owns 230 share of the company of face value ₹100 each. **8**
- (b) Ravi invested ₹15,000 in mutual fund when the NAV was ₹ 230 and the entry load was at 2.25%. Find the number of units received by him. **7**
- OR**
4. (p) Ms. Seema bought 300 share of a company of face value ₹100 each at a market value of ₹240 each. After receiving a dividend at 8%. she sold the share at ₹ 256 each. Find her rate of return on investment. There was no brokerage involved. **8**
- (q) Mr. Amit invested ₹ 48,000 in "Reliance Liquid Fund" on 31st May, 2007 at an NAV of ₹ 18.3115. He redeemed all the units on 23rd Oct, 2007 and earned a 2.7387% rate of return on his investment. Find the NAV on 23rd Oct., 2007 correct upto 4 decimal places, if there was no entry or exit load. **7**

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5. (a) Explain briefly types of shares.
(b) Write the differences between simple interest and compound interest.

OR

- (p) Attempt **any three** of the following (short note)
- (1) Dividend
 - (2) SIP (System Investment Plan)
 - (3) Entry Load and Exit Load
 - (4) Types of Annuity
 - (5) Direct and Inverse Proportion

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