120522

VCD.........FYBAF SEM II QUANTITATE METHOD 75 MAKES 2 HRS 30 MIN

Q. 1 Multiple Choice Questions   (40 MARKS)

1) _____ load is charged and added while purchasing units of mutual funds.
   (a) Exit load   (b) Entry load   (c) Brokerage (d) None of these

2) Bhavin invested Rs.40,000 in ICICI Fund with entry load 2% and NAV is RS.36. Then the number of units he has purchased
   (a) 1,036.89   (b) 1,112.46   (c) 1,111.11   (d) 1,089.32

3) _____ is not used for future value.
   (a) Discounted value   (b) Sum Due (c) Accumulated value (d) Amount

4) In _____ years, Rs. 8,000 will amount to Rs. 8,840 at 3.5% p.a. simple Interest.
   (a) 2   (b) 3   (c) 4   (d) none of these

5) Rs. 40,000 are invested at 8/% p.a. compound interest. The interest in the fourth year is Rs._____
   (a) 4,312.08   (b) 4,000   (c) 4,135.22   (d) 4,031.08

6) In annuity calculations, the interest is usually taken as _____
   (a) simple interest per annum   (b) interest compounded every year
   (c) interest compounded continuously   (d) none of the above

7) An annuity in which the number of payments is fixed, is called _____
   (a)Fixed Annuity (b) Annuity Certain (c) Limited Annuity (d) Immediate Annuity

8) An annuity in which the number of payments are infinite, is called_____
   (a) Infinity   (b) Fore verity   (c) Perpetuity   (d) None of these

9) If cost price is greater than selling price, then there is
   (a) Profit   (b) Loss   (c) No profit no loss (d) Sometimes profit sometimes loss

10) A man sold a car for ₹ 90,000 and paid ₹ 5,000 brokerage. Amount received by the man is
    (a)₹ 90,000   (b)₹ 95,000   (c)₹ 85,000   (d)₹5,000

11) If the angles of a triangle are in the ratio 11:10:9, then their resp. degree measures are_____
    (a) 77°, 72°, 81°   (b) 66°, 60°, 54°   (c) 24°, 64°, 92°   (d) 14°, 12°, 14°

12) If $\frac{p}{2} = \frac{q}{3} = \frac{r}{5}$ then $\frac{p+q+r}{r}$ is
    (a) 2   (b) 3   (c) 5   (d) 1

13) If 12, 16, k and 20 are in proportion, the value of k is _____
    (a) 14   (b) 15   (c) 16   (d) 12

14) Present ages of Soham and Soha are in the ratio 7:12. If two years ago, the ratio of their ages was 3:8, then their present ages are_____
    (a) 7 yrs, 12 yrs   (b) 3 yrs, 6 yrs   (c) 3 yrs 6 months, 6 yrs   (d) 7 yrs 6 months, 6 yrs

15) If 19-x, 26-x, 35-x and 50-x are in proportion, then x is _____
    (a) 2   (b) 4   (c) 5   (d) 1

16) An agent who guarantees the collection of dues from the customer is called _____
    (a) guarantor   (b) factor   (c) del credere   (d) broker

17) No. of shares are____if face value of all shares is RS 1,000 and face value of 1 share is Rs 50.
    (a) 20   (b) 200   (c) 500   (d) 50,000

18) The investment plan in which a fixed amount is invested at regular intervals is known as
    (a) Specific investment plan   (b) Scheme investment plan
    (c) Systematic interval plan   (d) Systematic investment plan

19) Sejal invested Rs.40,000 in a Mutual Fund with NAV Rs. 23.72. Then the number of units acquired by her is
    (a)1,586   (b)1,587   (c)1,686.34   (d)1648.64

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20) Karan sold LIC fund of Rs.7525 whose exit load is 2% and NAV Rs.45. then the number of units he had sold

(a)172.64   (b)170.63   (c)167.22   (d)168.68

Q. 2) Attempt ANY ONE [A OR B]   (07 MARKS)

A) A & B are partners sharing profit in the ratio 3:7 they admit a new partners C giving him $\frac{3}{13}$ share in the total profit. What will be A & B's share in the profit. In what ratio A,B & C share in the total profit?

B) (i) What No. must be added to each of the number 4,12 & 28 so that the resulting numbers are in continued proportion.
(ii) if 4 workers can make 3 tables in 6 days, how many days will 8 workers require to make 5 tables.

Q. 3) Attempt ANY ONE [A OR B]   (07 MARKS)

A) i) The cost price of an article 1,45,000. The article sold by an agent and get commission 7% on sale and net profit 12%. Find the selling price of the article
ii) The cost price of 45 articles is equal to the selling price of 32 articles. Find the profit percentage.

B) i) A scooter was sold for Rs. 42500 after allowing 6% trade discount and 2% cash discount. What is marked price of the scooter.
ii) A salesman get fixed monthly salary of Rs.10000 and commission rate 9% on sales over Rs.35000.If he earned Rs.8000 in that month what was his sales during the month.

Q. 4) Attempt ANY ONE [A OR B]   (07 MARKS)

A) A loan of Rs. 3,10,500 to be returned in $1\frac{3}{4}$ year at 9% p.a. compounded monthly. Find the EMI by using Reducing balance method.

B) i) What sum of money will amount to Rs.40, 31,078.40 in 3 yrs at 8% p.a. compound interest?
ii) The simple interest at 10% on a certain amount for 5 yrs is Rs.700.Find the compound interest on the amount at the same rate for the same period.

Q. 5) Attempt ANY ONE [A OR B]   (07 MARKS)

A) Mt. Patil invested rs.52000 in mutual fund at NAV rs 545 with entry load 1.5%, he get dividend at rs 14 per unit. after that he sold all units at rs 542 without exit load. How much did he get profit or loss in this transaction.

B) i) If the NAV of a fund was Rs 24 at the beginning of a year and Rs 28 at the end of year. find % change of NAV?
ii)Mrs.Chetan invest Rs 5000 per month in SIP of mutual funds for 3 months. The NAVR Rs 54,55 and 62 respectively the fund was without entry load throughout, find average cost price per unit?

Q. 6) Short notes (ANY TWO)   (07 MARKS)

A) Mutual fund
B) Annuity
C) Types of variation
D) Difference between compound and simple interest
E) Dividend