F·Y FM .Sem I Regular
3/12/18
10.30 - 1pm
pages-3

[Time: 2:30 Hours]   [Marks:75]

Please check whether you have got the right question paper.

N.B: 1. All Questions are Compulsory and carry equal marks
        2. Use of simple Calculator is allowed
        3. Figures to right indicate full marks to each sub question.

Q.1 (A) Choose the correct alternative. Attempt **any eight** from the following   **(8)**

1) If x:y = 2:3 and y:z 4:3 then x:y:z is_____.
   a) 7:11:10
   b) 8:12:9
   c) 10:12:11
   d) None of these

2) If 19-x, 26-x, 35-x and 50-x are in proportion then x is_____.
   a) 2
   b) 5
   c) 4
   d) None of these

3) The Cash discount is calculated on _____.
   a) Net selling price
   b) Cost price
   c) Invoice price
   d) None of these

4) The simple interest on Rs. 15000 for 8 months at 10% p.a. is_____.
   a) RS. 1000
   b) RS.1500
   c) RS.1050
   d) None of these.

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) If the payments of an annuity is made at the end of periods the annuity is called____.
   a) Annuity due
   b) Immediate annuity
   c) Uniform annuity
   d) None of these

7) The rate of dividend is given for____ of a share.
   a) Market value
   b) Face value
   c) a) or b)
   d) none of these

8) A share of face value Rs. 100 has a market price of Rs. 10 below par means its market price is_____.
   a) RS.90
   b) RS.110
   c) RS.95
   d) None of these

9) The compound interest on Rs. 10000 at 5% P.a. per 3years is _____.
   a) Rs.1500
   b) Rs.1600
   c) Rs.1400
   d) None of these

10) Mutual funds are managed by _____.
   a) Board of Directors
   b) Asset management companies
   c) SEBI
   d) None of these

Q.1 (B) State whether following statements are true or false attempt **any seven.** (7)
   1) If a<b then the ratio a:b is called as a ratio of lesser in equality.
   2) Percentage is ratio with 100 as numerator.
   3) CP= LOSS+NSP.
   4) A del creder agent who does not charge any commission from the seller.
   5) The list price cannot be calculated if only the rates of discounts and the net Selling price are given.
   6) The buyer has to pay the seller and the broker both.
   7) In mutual fund, SIP stands for simple increment plan.
   8) If a share is available at par, then the difference between its market value and its face value is zero.
   9) If the interest is charged only on the principal, then it is called the simple interest.
   10) A sinking fund is not an annuity.

Q.2 (A) A company fixed the rate of commission to its salesman as follows: (8)
   3% on the first Rs. 5000, 5% on the next Rs. 8000, 8% on next Rs. 10000 and 11% on the balance company had agreed to pay 1/4% of total sales as bonus if the sales crossed Rs. 30000. A salesman of the company secured sales worth Rs. 32000 calculated total earning of the salesman.

   (B) 10 bulls can plough 13 hectors of farmland in 7 days. How many bulls will be required to plough (7)
   117 hectors in 35 days?

OR

Q.2 (C) A merchant allowed 40% trade discount and further 2% cash discount and thus made 10.691% (8)
   profit on his cost price if the listed price was Rs. 7530 find his cost price.

   (D) P,Q and R are in partner ship with their capitals in the ratio 2:4:1 they decide to dissolve the (7)
   partnership. The assets of the company are sold for Rs. 1960000 and the liabilities (other than the capital) of Rs. 835000 are paid in full. They incur realization expense of Rs.5000 what is the amount that each partner would get as the final settlement after the dissolution?

Q.3 (A) Saroj invested certain amount in a bank for 3 years and received Rs. 119790 as the final **(8)**
amount at a certain rate of interest. She deposited an identical amount in another bank for 5 years
and got Rs. 144945.90 as the final amount with same rate find the principal amount and the rate of
compound interest.

(B) Find the acceptability of following project using the NPV method (use 13% P.a. as the interest rate) **(7)**

Year	0	1	2	3	4	5
Cash flow Rs.	-70000	15000	17000	20000	22000	25000

OR

Q.3 (C) The simple interest at 10% P.a. for 4 years on a certain sum is RS. 8000 Find the compound **(8)**
Interest on the same sum at the same rate for the same period.

(D) Mr. Joshi deposits RS. 8000 at the end of every year for 5 years in a bank. The bank **(7)**
Charges the rate as 8% P.a. compounded Quarterly. Find the effective rate of interest P.a.
Also find the accumulated value.

Q.4 (A) Pooja wants to invest some amount in company A or company B by purchasing equity shares **(8)**
Of face value Rs. 10 each with market price of Rs.220 and 190 respectively the companies are
expected to declare dividends at 25% and 15% respectively. In which company is it profitable to
invest her Money? Why?

(B) Any invested Rs. 12000on 10th august 2008 at NAV of Rs. 43.378. After wards he **(7)**
Redeemed all his units on Rs. 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 oct 2008.

OR

Q.4 (C) An amount of Rs.34068 was invested by Ms. Aasin in 5% stock at 85. She sold the stock at 82 after **(8)**
receiving the dividend the brokerage for purchase and sales were 0.2% and 0.1% respectively.
Calculate her net gain or loss and also % gain or loss.

(D) Kiran invested Rs. 25000 in mutual fund in 1st may 2009 when the NAV was Rs. 1073.2568. He **(7)**
redeemed the units on 8th july 2009 with NAV of Rs. 1349.6395. there was no entry load or exit load.
Find the number of units purchased, the gain and rate of return.

Q.5 (A) Explain Briefly proportion and its types. **(8)**

(B) Explain briefly Dividend Re- investment options in mutual fund. **(7)**

OR

Q.5 Write short notes on the following. Attempt **any three** **(15)**
  a) profit and loss
  b) annuity and its types
  c) preference shares and bonus shares
  d) load on mutual fund
  e) discount

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