Model Question Paper (CBCS) with effect from 2015-16

USN | | | | | | | | | | |

Fifth Semester B.E. Degree (CBCS) Examination
Management and Economics

Time: 3 hrs.   Max. Marks: 80

Note: Answer any FIVE full questions, choosing one full question from each module.

MODULE – I

1 **a** Briefly Explain the roles of a Manager.   (08 Marks)
   b Explain the contributions made by F.W.Taylor under Scientific Management.   (08 Marks)

OR

2 **a** What are single use and standing plans? Explain them with examples.   (08 Marks)
   b List & Explain the steps involved in Decision making.   (08 Marks)

MODULE – II

3 **a** Define Motivation. Explain McGregor's Theory X & Theory Y   (08 Marks)
   b Explain in Brief various types of Organization.   (08 Marks)

OR

4 **a** Define Leadership. Explain the Types of Leadership.   (08 Marks)
   b What is communication & explain the types of communication.   (08 Marks)

MODULE – III

5 **a** Explain the Scientific approach of problem solving and decision making.   (10 Marks)
   b Find the effective interest rate if the rate of interest is 8% when compounded (i) Yearly (ii)   (06 Marks)
       Biannually (iii) Quarterly (iv) Monthly (v) Daily. Compare the results.

OR

6 **a** An inventor has been offered Rs.12,000 per year for next 5 years and Rs.6,000   (10 Marks)
       annually for the following 7 years for the exclusive rights to an invention. At what
       price could the inventor afford to sell the rights to earn 10% disregarding taxes.
   b Explain the law of Demand and Supply with suitable example   (06 Marks)

MODULE – IV

7 **a** Define the following terms: (06 Marks)
       (i) Service Life (ii) Accounting Life (iii) Economic Life
   b Compare the alternatives below using present worth analysis at i = 10% per year and a 3   (10 Marks)
       year study period

Particulars	Machine A	Machine B
First cost	Rs.20,000	Rs.30,000
Annual cost	Rs. 9,000	Rs. 7,000
Salvage / Market value	Rs. 4,000	
Life	3 Years	6 Years

OR

8 **a** Explain future worth comparison method. How is it different from present worth (06 Marks)
comparison method

b First cost of an asset is Rs 5,00,000/-. The annual maintenance in the first year is Rs (10 Marks)
2,000/- and increase by Rs 1,000/- every year up to 10th year. The annual income is
expected to be Rs 50,000/- in the first year with increase of Rs 25,000 every year
up to 10th year. The operating cost is Rs 6,000/- per year. The salvage value is Rs
30,000/- at the end of 10th year. Find the equivalent annual cost of the machine at
12% interest rate.

MODULE – V

9 **a** Explain the following terms   (08 Marks)
(i)Prime cost (ii) Factory Cost (iii) Office cost (iv) Total Cost

b A small firm is producing 1000 pens per day. The cost of direct material is Rs.1600 (08 Marks)
and that of direct labour is Rs.2000. Factory overheads chargeable to it are Rs.2500.
If the selling on cost is 40% of the factory cost, what must be the selling price of
each pen to realize a profit of 20% of the selling price.

OR

10 **a** Explain the causes of depreciation   (08 Marks)

b Determine the weight and the cost of following component shown in fig. Take (08 Marks)
density of material 8.5g/cc. cost of each Kg of material is Rs.100.