

CBCS SCHEME

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18MR51

Fifth Semester B.E. Degree Examination, July/August 2021 Management and Economics

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. Explain the various steps in decision making in detail. (10 Marks)
b. Define planning. Explain its types in detail. (10 Marks)
- 2 a. Write a short note on "functional areas of management". (10 Marks)
b. List out the role of a manager. (10 Marks)
- 3 a. Explain "principles of organization" in detail. (15 Marks)
b. Write a short note on the concept of management by exception. (05 Marks)
- 4 a. Explain the following leadership styles in short:
(i) Autocratic (ii) Democratic (iii) Laissez-faire (06 Marks)
b. What are the findings of Hawthorne experiments? Explain. (07 Marks)
c. Explain "Maslow's Hierarchy of Needs Theory" with the help of hierarchy diagram. (07 Marks)
- 5 a. Write a short note on "CFD". (10 Marks)
b. ICICI bank is offering a Rs.30 lakhs home loan to a person to buy a new apartment at a interest rate of 7.5% compounded annually. This amount should be repaid in 15 yearly equal installments. Find the annual installment amount the person has to pay to the bank. (10 Marks)
- 6 a. Derive the following compound interest formulae from first principles with usual notation.
i) Single payment compound interest i.e. $F = P(1+i)^n$
ii) Equal payment compound amount, $F = A \left[\frac{(1+i)^n - 1}{i} \right]$
iii) Equal payment series present worth amount, $P = A \left[\frac{(1+i)^n - 1}{i(1+i)^n} \right]$ (15 Marks)
b. Write a short note on (i) S.I. (ii) C.I. (05 Marks)
- 7 a. A person wanted to buy a motorbike to his son. Upon down payment the motor bike would cost him Rs.55,000 while in the installment scheme, he has to pay an EMI of Rs.900 for 10 years at the rate of interest of 14%, to pay an EMI of Rs.900 for 10 years at the rate of interest of 14%, compounded monthly. Suggest the person which scheme is more economical. (10 Marks)
b. What do you meant by "Rate of Return"? Explain its types in short. (10 Marks)
- 8 a. Explain the following :
(i) Economic life (ii) Accounting life
(iii) Ownership life of service life (iv) Asset's life (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

