

Roll No.

Total No. of Pages : 02

Total No. of Questions : 08

M.Tech. (CSE Engg.)OE (2018 Batch) (Sem.-3)
COST MANAGEMENT OF ENGINEERING PROJECTS

Subject Code : MTOE-304-18

M.Code : 76515

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1.Attempt any FIVE questions out of EIGHT questions.

2.Each question carries TWELVE marks.

1. Detailed project Report (DPR) forms the foundation on which the entire superstructure of the project is built - if it is weak, the project cannot withstand the turbulent times ahead. Bring out the dos and don'ts of a good DPR.
2. a) Define the term "Project". Classify various types of projects. Discuss the need to manage projects.
b) Discuss the significance of bar charts and network diagram in project management.
3. Explain in detail the various stages of project execution.
4. The expenses budgeted for production of 10, 000 units in a factory are furnished below :

	Per unit Rs.
Materials	70
Labour	25
Variable Factory Overheads	20
Fixed factory Overheads (Rs. 1,00,000)	10
Variable Expenses (Direct)	5
Selling Expenses (10 % fixed)	13
Distribution Expenses (20 % fixed)	7
Administrative Expenses (Rs. 50,000)	5
Total cost of sales per unit	155

You are required to prepare a budget for the production of 8, 000 units.

5. Write short notes on the following :

- a) Objectives of costing system
- b) Classification of costs

6. **Solve graphically**

$$\text{Min.} \quad Z = 6X_1 + 14X_2$$

$$\text{Subject to} \quad 5X_1 + 4X_2 \geq 60$$

$$3X_1 + 7X_2 \leq 84$$

$$X_1 + 2X_2 \geq 18$$

$$X_1 \text{ \& } X_2 \geq 0$$

7. What is PERT? Define Pessimistic time, optimization time, and most likely time and explain how you will estimate the expected time to complete the activity in PERT technique.

8. Explain the following :

- a) Performance budgets
- b) Budgetary control

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.