

Roll No.

Total No. of Pages : 02

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**M.Tech. (CSE) OE (2021 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.

- Q1. Discuss the essential qualities of a project manager and enumerate the pitfalls of ineffective project team.
- Q2. Investigate in detail the various stages of project execution.
- Q3. a) Explain the term contract management? Explain different types of contracts.  
b) Discuss the role of data collection and report in project completion.
- Q4. Solve the following transportation problem :

Warehouses	W <sub>1</sub>	W <sub>2</sub>	W <sub>3</sub>	W <sub>4</sub>	Capacity
Factories					
F1	19	30	50	10	7
F2	70	30	40	60	9
F3	40	8	70	20	18
Requirement	5	8	7	14	34

- Q5. Solve the following assignment problem :

Typist	Job			
	P	Q	R	S
A	85	50	30	40
B	90	40	70	45
C	70	60	60	50
D	75	45	35	55

- Q6. Write short note on the following :
- a) Types of costs.
  - b) Significance of creation of database for operational control.

Q7. The expenses budgeted for production of 10, 000 units in a factory are furnished below:

	<b>Per unit Rs.</b>
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
<b>Total cost of sales per unit</b>	<b>155</b>

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

Q8. Explain the following :

- a) Flexible budget
- b) Objectives of 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.**