

R18

Code No: 156DT

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, August/September - 2021

FUNDAMENTALS OF MANAGEMENT FOR ENGINEERS

(Common to CE, ME, ECE, EIE, AE, MIE)

Time: 3 Hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) What is the concept of universality of management and describe the skills managers required?
b) Differentiate between efficiency and effectiveness and brief on functions of management. [8+7]
- 2.a) What is the concept of Management by Objectives?
b) Discuss the planning process and types of plans. [6+9]
- 3.a) What are the objectives of performance appraisal?
b) What are the principles of effective delegation? [7+8]
- 4.a) What do you understand by the term 'organizational culture'?
b) Discuss the scope of human resource management. [7+8]
- 5.a) What is the concept of JIT? What are its advantages?
b) The shoulder rings required in the manufacture of water pumps at a company are procured from a vendor. The company requires 750 sets of shoulder rings per month. The procurement cost and the inventory carrying cost have been calculated at Rs.48 per order and Rs.0.60 per set of shoulder rings per year respectively. Calculate the Economic Order Quantity. [7+8]
- 6.a) What is the concept of Six-sigma? What is its origin?
b) Distinguish between process layout and product layout. [7+8]
- 7.a) What is unsegmented market? Give a few examples of unsegmented market.
b) Explain how information technology is proved to be a major driver of Supply Chain Management. [7+8]

8. The activities involved in the computer installation process are detailed below: you are required to draw the network. [15]

activity	Description	Predecessor activities
A	Physical preparation	none
B	Organizational planning	none
C	Personnel selection	B
D	Equipment installation	A
E	Personnel training	C
F	Detailed system design	C
G	File conversion	F
H	Establish standards and protocols	F
I	Programme preparation	H
J	Programme testing	I
K	Parallel operations	D,E,G,J
L	Finalize system documentation	I
M	Follow up	K,L

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