Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

MBA - SEMESTER- II • EXAMINATION - SUMMER 2015

Subject Code: 820006 Date: 01/06/2015

Subject Name: Production and Operations Management (POM)

Time: 10.30 AM TO 01:30 PM Total Marks: 70

Instructions:

(b)

(a)

Q.4

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 0.1 Explain the Transformation Process with suitable example. 07 (a) **(b)** What is the difference between Goods and Services? 07 0.2 Explain the characteristics of Modern Manufacturing. 07 (a) What are the important factors, a production manager should consider **(b)** 07 while selecting the location? OR Discuss: Product Layout and Fixed Position Layout with diagram. 07 **(b) Q.3** (a) Distinguish between in-process inventory, safety stock inventory, and **07** seasonal inventory. **(b)** Distinguish between pure and mixed strategies in production planning. 07 OR **Q.3** (a) Explain the scheduling n Jobs on m Machines **07**

Immediate Predecessor Activity	
-	
A	
A	
B, C	
С	
D	
Е	

What is network diagram? Distinguish between AON and AOA disgrams.

Draw the network diagram for the data given below:

Η

(b) In what way might the first-come, first-served rule be unfair to the customer waiting for service in a bank or hospital?

OR

Q.4 (a) What is outsourcing? State the reasons why firm should go for 07 outsourcing?

F, G

07

07

(b) Draw a network diagram for the activities given below and determine the critical path.

Activity	Description of activity	Duration of activity	Immediate Predecessor Activity
A	Design Plant	12	-
В	Select Site	8	A
С	Select Vendor	4	A
D	Select Personnel	3	A
Е	Prepare Site	12	В
F	Manufacture Generator	18	С
G	Prepare Operational	5	С
	Manual		
Н	Install Generator	4	E, F
I	Train Operators	9	D, G
J	Obtain Licence	6	H, I

Q.5	(a)	Explain the concept of Total Quality Management.	
	(b)	Explain: DMAIC	07
		OR	
Q.5	(a)	Discuss: ISO 9000 and ISO 14000	07
	(b)	Discuss the purpose of and difference between p chart and R charts	07
