

VPM's
DR VN BRIMS, Thane
Programme: PGDM (2014-16)
Sixth Trimester (Operations) Examination April 2016

Subject	Technology Management		
Roll No.		Marks	60 Marks
Total No. of Questions	7	Duration	3 Hours
Total No. of printed pages	1	Date	23.04.2016

Note: Q1 is compulsory and solve any FOUR from the remaining SIX questions.

Q1) 20 Marks (Compulsory):

a) Explain the concept of 'Design for manufacturing'. Explain the process of DFM in details.

Attempt Any FOUR from the Remaining SIX Questions

Q2) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- a) Explain the Automation handling strategies for DFX.
- b) Write a note on ' Design of Assembly'
- c) Explain Maintenance Strategies for DFX

Q3) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- a) Explain the concepts of order qualifiers and order winners.
- b) Explain the objectives of DFM
- c) Explain the types of product development.

Q4) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- a) Write a note on process selection and design.
- b) Explain the role of CAD in product cycle.
- c) Explain the concepts of continuous, Mass, Batch and Job form of productions.

Q5) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- a) Write a note on 'Tool Management in Flexible Manufacturing System'
- b) Explain the process of Value Analysis.
- c) Explain the concepts of Group Technology.

Q6) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- a) Write a note on 'Computer Added Manufacturing'
- b) Write a note on ' Idea generation in NPD'
- c) Explain the 'Hybrid Layout'

Q7) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- a) Write a note on 'Reliability based designs'
- b) Explain the 'Process Performance Metrics'
- c) Write a note on ' New Product Development'