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DMI-ST.EUGENE UNIVERSITY
DEGREE EXAMINATION – DECEMBER – 2022
SEM: VI 552MG64 PRODUCTION & OPERATION MANAGEMENT

Time: 3 Hours

Max. Marks: 100

Answer any Five questions (5 x 20 = 100 Marks)

1. a) Define production management (2 Marks)
b) List the importance of a product management framework (2 Marks)
c) State the ways in which goals of production can be achieved. (4 Marks)
d) Explain the components of product management (12 Marks)
2. a) Define Cellular Manufacturing. (2 Marks)
b) What do the initial “DFMA” stand for? (2 Marks)
c) State the important of product strategy (4 Marks)
d) Explain the factors that affect product design (12 Marks)
3. a) Define facility location (2 Marks)
b) What are the factors that affect facility location analysis? (12 Marks)
c) Briefly explain 4 parameters of PPC (4 Marks)
d) What do the Abbreviations “PPC” stand for? (2 Marks)
4. a) Define Aggregate Planning(2 Marks)
b) Briefly explain on the aggregate planning strategies (6 Marks)
c) Explain the secondary factors affecting Plant Location (12 Marks)
5. a) Define work measurement (2 Marks)
b) What are the tools used for quality control? (12 Marks)
c) What are the causes of variation in quality? (4 Marks)
d) State 2 uses of work measurement (2 Marks)
6. a) Elaborate on the types of plant layout (12 Marks)
b) Define Actual Output. (2 Marks)
c) State the limitations of process layout. (2 Marks)
d) State the advantages of production control(4 Marks)
7. a) What is meant by routing? (2 Marks)
b) State the limitations of job production. (3 Marks)
c) Write short notes on the categories of production, based on technique (3 Marks)
d) Explain the main functions/needs of production planning (12 Marks)