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2304N050

Candidate's Seat No : _____

M.B.A. (GM) Sem.-2 Examination

FC-202

P & OM

April-2025

Time : 2-30 Hours] [Max. Marks : 70

Q-1 A) The store of an oil engine repair shop has 10 items whose details are shown in below table. Apply ABC analysis to the store and categories them in A, B and C. and make matrix of ABC vs VED. Explain how it is helpful in inventory control decision-making. **14**

Component Code	Description	Price/Unit	Annual Demand Unit/Year	Category as per VED
1	Packing thread	100	100	D (Desirable)
2	Tower Bolt	200	300	E (Essential)
3	Hexagonal nut	50	700	E (Essential)
4	Bush	400	400	E (Essential)
5	Coupling	500	1000	V (Vital)
6	Bearing (Big)	3000	30	V (Vital)
7	Bearing (Small)	1000	100	E (Essential)
8	Fuel Pump	7000	500	V (Vital)
9	Fixture	5000	105	D (Desirable)
10	Drill bit	60	1000	D (Desirable)

Q-2 **14**

A) What are the different types of manufacturing systems, and how do their operational characteristics vary?"

OR

B) How does the layout of a plant influence operational efficiency, and what are the various types of plant layouts? Could you provide an example of a company that utilizes one of these layouts to enhance its production process?

E-MN-SO-2

Q-3	A) In what ways does the operations strategy support the corporate strategy, and how are key operations management decisions linked to the broader business goals? OR B) Can you provide an in-depth analysis of supply chain management, focusing on its key stakeholders and the activities involved, and explore how these elements collaborate to drive operational efficiency and sustain competitive advantage?	14
Q-4	A) What are the various demand patterns in supply chain management, and how do these patterns affect inventory management and forecasting decisions? Kindly justify your explanation with pertinent examples. OR B) In what ways does demand forecasting contribute to informed decision-making in supply chain management? Provide a detailed discussion of its objectives and the various types.	14
Q-5	A) Five architectural rendering jobs are waiting to be assigned at Avanti Sethi Architects. Their work (processing) times and due dates are given in the following table. Jobs were assigned a letter in the order they arrived. Today is day 1, and work begins today.	14

Job	Processing Time (Days)	Due Date (Days)
A	6	8
B	2	6
C	8	18
D	3	15
E	9	23

Evaluate different job sequencing rules to decide which one leads to the most effective schedule and suggest Avanti sethi Architects.

----------End of Paper----------