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**B.VOC**  
**(SEM-V) THEORY EXAMINATION 2021-22**  
**INDUSTRIAL ENGINEERING & SAFETY ENGINEERING**

Time: 3 Hours

Total Marks: 30

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A****1. Attempt all questions in brief.****1 x 6 = 6**

Qno.	Question	Marks
a.	Define Warehouse.	1
b.	What is Plant Layout?	1
c.	Write Full Form Of CPM.	1
d.	Write Down Objective Of Plant Layout.	1
e.	What is the Factors Considered for Selection Of Site?	1
f.	What is Product Layout?	1

**SECTION B****2. Attempt any three of the following:****3 x 3 = 9**

Qno.	Question	Marks
a.	Explain Facility Location or Plant Location.	3
b.	Define Material Handling. Write its Importance.	3
c.	Write a Short Note On Value Engineering.	3
d.	Explain in Brief About J.I.T Manufacturing.	3
e.	Write Down the Difference Between PERT & CPM.	3

**SECTION C****3. Attempt any one part of the following:****1 x 3 = 3**

Qno.	Question	Marks
a.	Explain any two factors Considered for the Selection Of Site.	3
b.	Write down the objectives Of Scheduling.	3

**4. Attempt any one part of the following:****1 x 3 = 3**

Qno.	Question	Marks
a.	What are the functions of Material Handling?	3
b.	What is the procedure Of Routing?	3

**5. Attempt any one part of the following:****1 x 3 = 3**

Qno.	Question	Marks
a.	What are the types Of Material Handling Devices? Explain any one.	3
b.	What do you mean by Routing? Explain.	3

**6. Attempt any one part of the following:****1 x 3 = 3**

Qno.	Question	Marks
a.	Define Production Planning and State its Objectives.	3
b.	Write down the Factors Influencing the Plant layout.	3

**7. Attempt any one part of the following:****1 x 3 = 3**

Qno.	Question	Marks
a.	State the objectives of Good Plant Layout.	3
b.	Write a short note on Process Planning.	3