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S.Y.M.B.A.

OPERATIONS & SUPPLY CHAIN MANAGEMENT

OSCM-611-MJ-SE: Productivity Management

(2024 Pattern) (Semester-III)

Time : 2½ Hours] *[Max. Marks : 50*

Instructions to the candidates:

1) *Answer all questions.*
2) *All questions carry equal marks.*
3) *Figures to the right indicate full marks.*

Q1) Answer any 05 out of 08 **[10]**

a) Define productivity index.

b) How does technology influence productivity?

c) What is multi-factor productivity?

d) What is the objective of value Engineering in manufacturing?

e) What is an operation process chart?

f) Who are the pioneers of work measurement?

g) Why is standard time important for production planning?

h) Mention any two benefits of 5S implementation.

Q2) Answer any 02 out of 03 **[10]**

a) Explain tools used for productivity improvement.

b) Explain how Value Engineering supports service productivity.

c) Explain the importance of motion study in productivity management.

Q3) Answer any 01 out of 02 **[10]**

a) Explain productivity measurement techniques and their managerial relevance.

OR

b) Explain the linkage between productivity, cost reduction, and competitiveness.

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Q4) Answer any 01 out of 02 **[10]**

a) Explain Value Engineering job plan and its impact on productivity.

OR

b) Explain work study techniques with suitable diagrams used for productivity analysis.

Q5) Answer any 01 out of 02 **[10]**

a) Explain different techniques of work measurement and their suitability.

OR

b) Explain the role of modern productivity techniques in service level enhancement.



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