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Roll No. :

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**M. B. A. (Third Semester) Examination,
Nov.-Dec. 2021**

(New Scheme)

(Management Branch)

(Specialization : Production & Operations Management)

PRODUCTIVITY IMPROVEMENT TECHNIQUES

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note : Attempt any two parts of each question.

Each question carries equal marks.

Unit-I

1. (a) Explain the term Job-Evaluation. Discuss how proper job evaluation may lead to productivity enhancement. 8

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- (b) Define an "Incentive". Discuss the different types of incentive schemes available for a production manager to motivate the team members, 8
- (c) Write short notes on : (any two)
- (i) Multi-skilling
 - (ii) Job allocation
 - (iii) Job enrichment 8

Unit-II

2. (a) Define "Inventory". List down the reasons for "Inventory Control." 8
- (b) List and write short notes on charts commonly in use for :
- (i) Quality control for variables
 - (ii) Quality control for variables 8
- (c) Define "Plant Layout". List the various layouts known to you for
- (i) Manufacturing units
 - (ii) Traders
 - (iii) Service Establishment 8

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Unit-III

3. (a) What do you mean by line balancing? What are the pre-requisites of line balancing. 28
- (b) Define and discuss "Takt time". Discuss the method of line balancing. 8
- (c) What do you mean by work-study? Discuss various stages of work-study. 8

Unit-IV

4. (a) Define "Learning Curve." How would a company use learning curve? Explain. 8
- (b) Discuss Basic Learning Curve calculations. 8
- (c) Discuss the term "Activity Sampling." List two applications of activity sampling. Discuss briefly the procedure for Activity Sampling. 8

Unit-V

5. (a) Define "Value Analysis". How does value Analysis Working? 8
- (b) Define "Planned Maintenance". Discuss the advantages of planned maintenance." 8

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(c) With the help of a block diagram bring out various components of a planned and the inter-relations among them. 8