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Roll No. :

576373(76)

676573(76)

M. B. A. (Third Semester) Examination,

Nov.-Dec. 2020

(New Scheme)

(Management Branch)

(Specialization : Production & Operations Management)

PRODUCTIVITY IMPROVEMENT TECHNIQUES

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note : Attempt all questions. Part (a) is compulsory.

Attempt any two parts from (b), (c) and (d).

Unit-I

1. (a) Define Merit rating.

2

[2]

- (b) What is the four basis method of job evolution?
Describe the essential structure of each of these methods. 7
- (c) How dose job evolution help in developing and equitable wage structure? 7
- (d) Define different type of wage incentive scheme with suitable example. 7

Unit-II

2. (a) Give the different name of plant layout. 2
- (b) Explain product, process and group technology layout with neat sketch and example. 7
- (c) Explain ABC analysis used in inventory control. 7
- (d) What is EOQ? Derive basis formula for EOQ. 7

Unit-III

3. (a) Define Work study. 2
- (b) What is the need of work study and list its advantages? 7

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- (c) Enlist the objective of method study and work measurement. 7
- (d) What is the need of line balancing? Explain its requirements with suitable example. 7

Unit-IV

4. (a) Define Larning curve. 2
- (b) Define work sampling, procedure and its advantages. 7
- (c) What is the basic requirement of work sampling? Explain it with suitable case study. 7
- (d) What is the significance of learning curve? How it help to any industry? 7

Unit-V

5. (a) Define Maintenance. 2
- (b) What do you understand by planned maintenance? How it helps to improve the overall productivity? 7
- (c) What is the difference between value analysis and value engineering? 7
- (d) How value engineering helps to improve productivity? 7