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**M. B. A. (Second Semester) Examination,
April-May 2020**

(New Scheme)

(Management Branch)

(Specialization : General)

PRODUCTION & OPERATION MANAGEMENT

(New)

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note : There are five sections attempt any two in each sections. All question carry equal marks.

Section-A

- 1. What do you understand by Production Management?
Discuss its nature and scope.**

2. What do you mean by Continuous Production? Describe various forms of flow production system.
3. How does production/operations policy relate to HR and financial policy and marketing policy? What does relationship accomplish?

Section-B

4. "Plant layout involves besides grouping of machinery, an arrangement of other facilities also." Discuss. Explain the objects of plant layout.
5. "Plant location decisions are very important process of any organization." Explain. What are the factors affecting plant location?
6. A company is planning to undertake the production of auto parts has to decide on the location of the plant. Three locations are being considered, namely Rajnandgaon, Raipur and Bilaspur. The fixed costs of three locations are estimated to be ₹ 150 lakhs, 250 lakhs and 125 lakhs respectively. The variable costs are ₹ 1500, ₹ 1000 and ₹ 1750 per unit respectively.

The average sales price of the auto parts is ₹ 3500 per unit. Find :

- (i) The range of annual production/sales volume for which each location is most suitable.
- (ii) Select the best location, if the sales volume is of 9000 units.

Section-C

7. Explain in details the steps involved in capacity planning.
8. Clearly explain concept of Just-in-Time and 7 waste.
9. Write short notes on : (any two)
 - (i) Over and under capacity
 - (ii) TQM
 - (iii) ERP

Section-D

10. What do you understand about work-study? List down the benefits that any organization may take of the above.
11. Write short notes on :
 - (i) Work Sampling

(ii) Predetermined motion time analysis

(iii) Micro motion study

12. The work study engineer carries out the work sampling study. The following observations were made for a machine shop.

The duration of study 120 hrs.

Total no. observations 7000

No. working activities 1200

Ratio between manual to machines elements 2 : 1

Average Rating factor 120%

Total no. of jobs produced during study 800 units

Rest and personal allowances 17%

Compute the standard time for job.

Section-E

13. Discuss the reasons for industrial accidents and list out various methods for the prevention of such happenings.

14. Poor maintenance of plant and machinery leads to various losses in industry. Discuss.

15. Write a note on managements responsibility on safety during operations.