

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)**  
**EXAMINATION : JUNE - 2022**  
**SEMESTER - IV**

CB  
60:40

**Sub. : Productions & Operations Management (BBA15- 413)**

**Date : 15 /06/2022**

**Total Marks : 60**

**Time: 2.00pm to 4.30pm**

- Instructions:** 1) All questions are compulsory.  
2) Figures to the right indicate full marks.

**Q. 1. Choose the most appropriate option. (05)**

1. Product layout is preferably used for \_\_\_\_\_
  - a) repetitive processing
  - b) intermittent processing
  - c) both (a) and (b)
  - d) neither(a) nor (b)
2. Critical Path Method \_\_\_\_\_
  - a) Helps in ascertaining time schedules
  - b) Makes better and detailed planning possible
  - c) provides a standard method for communicating project plans
  - d) All of the above
3. The control activity in production planning and control is performed \_\_\_\_\_ of the plan.
  - a) before execution
  - b) after execution
  - c) during execution
  - d) none of the above
4. The production scheduling is simpler and high volume of output and high labor efficiency are achieved in the case of \_\_\_\_\_
  - a) product layout
  - b) process layout
  - c) fixed position layout
  - d) a combination of line and process layout
5. What are the main objectives of adopting preventive maintenance?
  - a) To reduce machine breakdowns
  - b) To increase machine breakdowns
  - c) To slash productivity
  - d) To reduce absenteeism

**Q. 2. State True / False (05)**

1. Sequencing is responsible for the order of processing each activity under production planning and control
  - a) True
  - b) False
2. CPM is good for small project only
  - a) True
  - b) False
3. A systematic approach for maintenance is, problem -cause-diagnosis-rectification
  - a) True
  - b) False
4. Decide the criteria for evaluating location alternatives is the first step in making a correct location choice.
  - a) True
  - b) False
5. Product layout is suitable for mass type of production.
  - a) True
  - b) False

**Q. 3. Write Short notes on (Any Three) (15)**

1. PERT
2. Recent trends in manufacturing
3. Process layout
4. Spare part maintenance
5. Routing

**Q. 4. Answer in detail (Any Two) (20)**

1. “Production planning and control is the key to the success of a business organization.” Discuss.
2. Define maintenance management. State and explain the different types of maintenance.
3. Explain in detail all the functions manufacturing management which are responsible for controlling the cost of production and increase profitability.

**Q. 5. Case study (Any One) (15)**

1. An internationally reputed car manufacturing company is looking for a suitable location to establish its new plant in India. Suggest suitable location to the company by evaluating various factors which you consider for evaluating different alternative’s location. State your assumptions clearly.
2. A project has been defined to contain the following list of activities along with their required time of completion.

Activity	A	B	C	D	E	F	G	H	I
Times in days	1	4	3	7	6	2	7	9	4
Immediate Predecessor	-	A	A	A	B	C	E, F	D	G, H

- i) Draw a network diagram
- ii) Identify critical path
- iii) What would happen if duration of activity F is taken as four days instead of two?

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