

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – Oct 2018

Course: M. Tech Manufacturing Engineering Sem: III

Subject Name: Ele-II, Manufacturing Planning and Control

Subject Code: MMECH15A

Max Marks: 20

Date:-

Duration:- 1 Hr.

Instructions to the Students:

1. Assume suitable data wherever required.
2. Draw figure wherever necessary.
3. Figure to right indicates full marks.

Q. 1 Choose Correct Answer

Marks

6

1. Which of the following technique of grouping does not consider the design and shape aspect?
(A) A simple and visual method of cell design. (B) Family formation by classification and codification. (C) Cell formation using Production Flow Analysis
(D) All of the above
2. The profit of an enterprise can be increased by
i Reducing total costs of production. ii Increasing sales value. iii Increasing capital cost.
iv Increasing manpower. Which of the above are true?
A) Only i B) i & ii C) I, ii & iii D) All of the above
3. . If all the processing equipment and machines are arranged according to the sequence of operations of a product the layout is known as
A) Product layout B) Process layout C) Fixed position layout D) Combination layout
4. The following is the preliminary stage of Production planning
(A) Capacity planning. (B) Material requirements planning. (C) Scheduling
(D) Product development and design
5. Just-in-Time was successfully implemented by
(A) Toyota. (B) Honda. (C) Suzuki. (D) Volkswagen
6. The following type of Layout caters to 'intermittent flow' type of production.
(A) Process layout. (B) Product layout. (C) Combined layout. (D) All of the above

Q.2 Solve Any Two of the following.

3 X 2

- (A) How the concept of assembly line was introduced? explain its benefits
- (B) CIM system has made manufacturing easy and accurate justify the statement
- (C) What is line balancing? Explain

Q.3 Solve Any One of the following.

8

- (A) What is FMS system? Explain the implementation of FMS system in industry
- (B) Explain the terms such as capacity planning and inventory planning with suitable examples.

***** End *****

10/10/2018