

Enrolment Number: _____

PARUL UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

B.TECH MID SEM EXAMINATION 2022-23

SUBJECT NAME (CODE): APP (203101437)

BRANCH: Aeronautical

DATE: 08/08/2022

TIME: 10:30 TO 12:00 PM

TOTAL MARKS: 40

Sr. No. Marks

Q.1 (A) Compulsory Question (5 MCQ) 05

1. Which of the following functions of production planning and control is related to timetable of activities?

- a) Scheduling
- b) planar mechanism
- c) spatial mechanism
- d) flexure mechanism

2. Which of the following is the correct sequence of operations in the PPC?

- a) Routing - Scheduling - Follow up - Dispatching
- b) Scheduling - Follow up - Dispatching - Routing
- c) Routing - Scheduling - Dispatching - Follow up
- d) Dispatching - Routing - Scheduling - Follow up

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 these

4. Material Requirement Planning is useful for all except _____

- a) Discrete demand items
- b) Dependent demand items
- c) Erratic orders
- d) Independent demand items

5. Regulating the production process to ensure an orderly flow of materials is the objective of _____

- a) Production planning
- b) Production control
- c) Production audit
- d) None of these

(B) Compulsory Question (5 Fill in the Blanks) 05

1. _____ is responsible for the order of processing each activity under Production Planning and Control.

2. _____ is the probability of a product operating efficiently within an estimated time frame.

3. The process of dealing with production orders to initiate operations under the Production Planning and Control starts with _____
4. Cement manufacturing is a type of _____ production system.
5. _____ is most suitable for heterogeneous products manufacturing.

- Q.2 Attempt at least four (Short Questions) _____, -12
- (1) Write down the characteristics of unit production system.
- (1) Describe routing.
- (3) Write a brief note on overhaul of aircraft.
- (4) Define scheduling and loading.
- (5) State all 6M's of input for production.
- Q.3 Attempt any two _____ 08
- (1) Explain the continuous production system.
- (2) Describe the stages of PPC.
- (3) Describe the production activity and information flow.
- Q.4 (A) Explain in details about the main objectives of PPC (Compulsory) _____ 05
- (B) Describe in detail the inventory management and spare parts. _____ 05
- (B) Explain the factors affecting aircraft manufacturing.