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Paper ID [PE508]

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M.Tech. (Sem. - 2nd)

PRODUCTION, PLANNING AND CONTROL (PRE - 508/509)

Time : 03 Hours

Maximum Marks : 100

Instruction to Candidates:

- 1) Attempt any Five questions.
- 2) All questions carry equal marks.

Q1) What are the different methods of market survey? Describe and evaluate one method of market survey in detail?

Q2) (a) Discuss the various approaches to determine machine capacity? How do they differ from each other?

(b) Explain the various strategies associated with aggregate planning?

Q3) "First plan your work, then work your plan". Expand this counsel given to the department of production planning & control, describing briefly the functions of routing, scheduling, dispatching and follow up.

Q4) (a) Distinguish between planned receipt and scheduled receipt?

(b) What are various types of lot sizes used for material requirement planning?

Q5) (a) What are planned order releases? Discuss.

(b) Explain the difference between purchasing and procurement?

Q6) (a) Discuss what factors affect the make or buy decision?

(b) What is the role of traffic in material distribution? Explain in brief.

- Q7)** (a) What type of requisition could be expected for the two types of purchase – (i) maintenance supplies and (ii) raw materials.
- (b) Write a *quotation* to sell an air conditioner of 1.5 tonn capacity.

Q8) Write short note on **any two** of the following :

- (a) Quantity discounts .
- (b) Safety of material
- (c) Rate analysis and control.

