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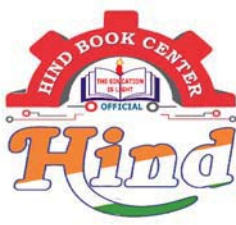
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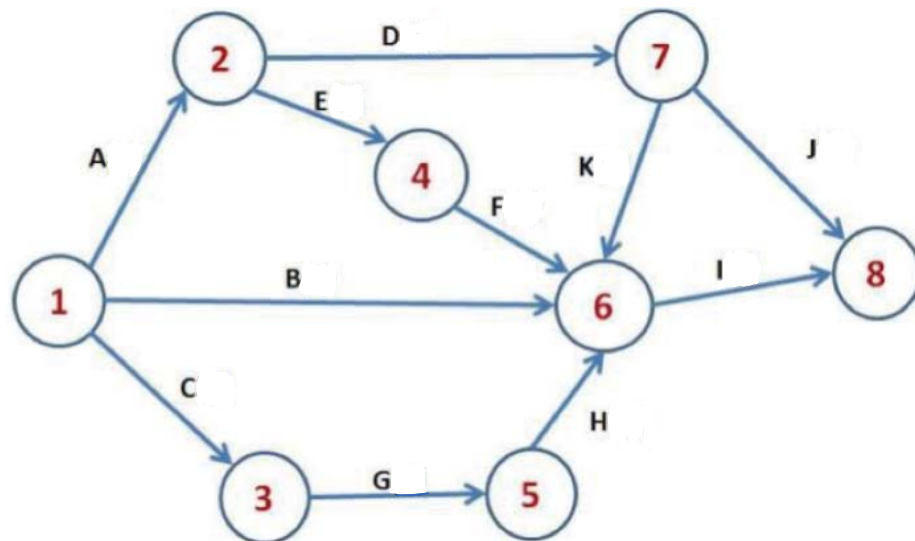
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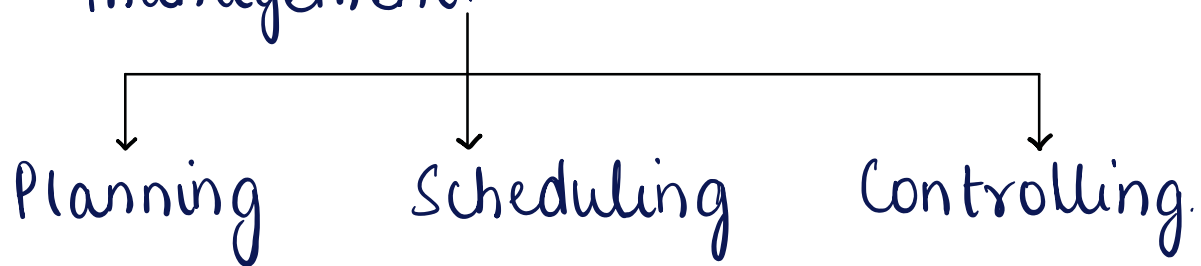# PERT CPM

JASPAL SINGH
(EX IES)

CONTENTS

PROJECT

- Any work which we do is termed as Project.

- To execute the project, resources are required.

Ex: Manpower, machine (equipment), money, material, time.

- Engg. deals with technology where as project management deals with synchronisation of the technology with manpower.

- Every project has 3 - Basic objective.
1. Project should be completed in least time.
2. Project should be completed in least cost.
3. Project should be completed by optimum use of resources that are available.

ELEMENTS OF PROJECT MANAGEMENT

- There are 3 basic elements of project management.

Planning   Scheduling   Controlling.

1. Planning
It is the process of defining objective of project and to identify resources required for its completion.

2. Scheduling
It is the process of arranging the objective define during planning in sequence and allocation of resources to these activities.
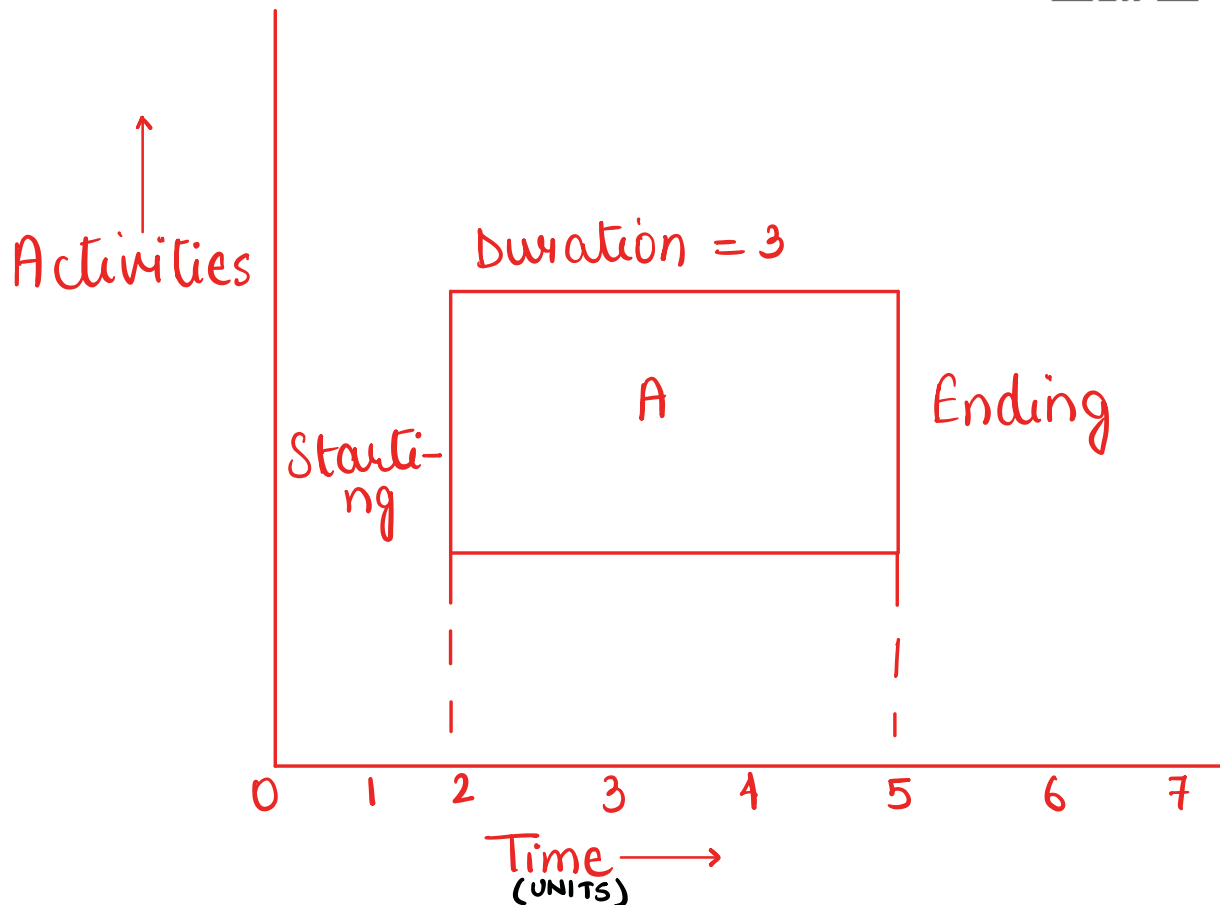
3. Controlling.
It involves execution of planning and scheduling.
- If there is any deviation from original plan it also includes rescheduling.

METHODS OF PROJECT MANAGEMENT

1. Bar Chart / Gantt chart

Bar chart is graphical representation of activity vs time.
- Here time durations are marked on x-axis &
  Activities are marked on Y-axis.
- Length of bar represents duration of activity.