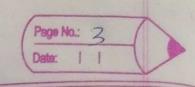
18240110001 Vishous Achan Page No.: 1 Assignment-3 It what is scheduling? Compare it with sequencing And & Project scheduling is the process of breaking down a project into activities/ taskes, resources, deliverables and milesto 4) The means, dividing a project into phases is Then plotting these places on a timelin along with milestones and dependencies 1) While a project plan provides a compre-- hersive overview of the project, i.e., a blueprint, a project schedule gives a step-by-step walkthrough of the project using a Grantt chart · A project schedule helps managers: -> Understand what tasks need to be prioritized 4) Assign them to the right team mempers 4) Moniter and manage team workload to And keep the project from going over-budget. 27 write about critical chain scheduling dug 1) The CPM calculates the minimum and maximum time required to complete e project 4) Also, it helps identify the critical stacks, dependencies and bottlenecks in a project's schedule

Page Ma 1) It was basically developed with the objective of reducing duration and rost of the project. 17 Critical path method is a special application of network analysis. 1) It uses network analysis for scheduling production, construction projects as well as research and development activities. is It is also useful in situations which require estimates of time and performance.

1) Identification of the critical path. · Earlist start time for activity (Es): It is the earliest possible time at which the artivity should start if only the ongoing activities are first completed. · Farliest Pinish time (EF): It is equal to the earliest stort time for activity plus the time required completing the · Latest possible finish time for activity (IF): It is the latest time at which the activity can be competing without any skowsmoxt ant the nittin so snogtood

· Lostest possible start time for activity (25): It is the latest start time for an actevity and equal to the latest finish time minus



the time required to complete the

· Slack time: It is the difference between earliest time for activity and latest start time for activity and between earliest finish time for activity and activity and latest time for activity

3/ Explain PERT & CPM techniques in

As PERT

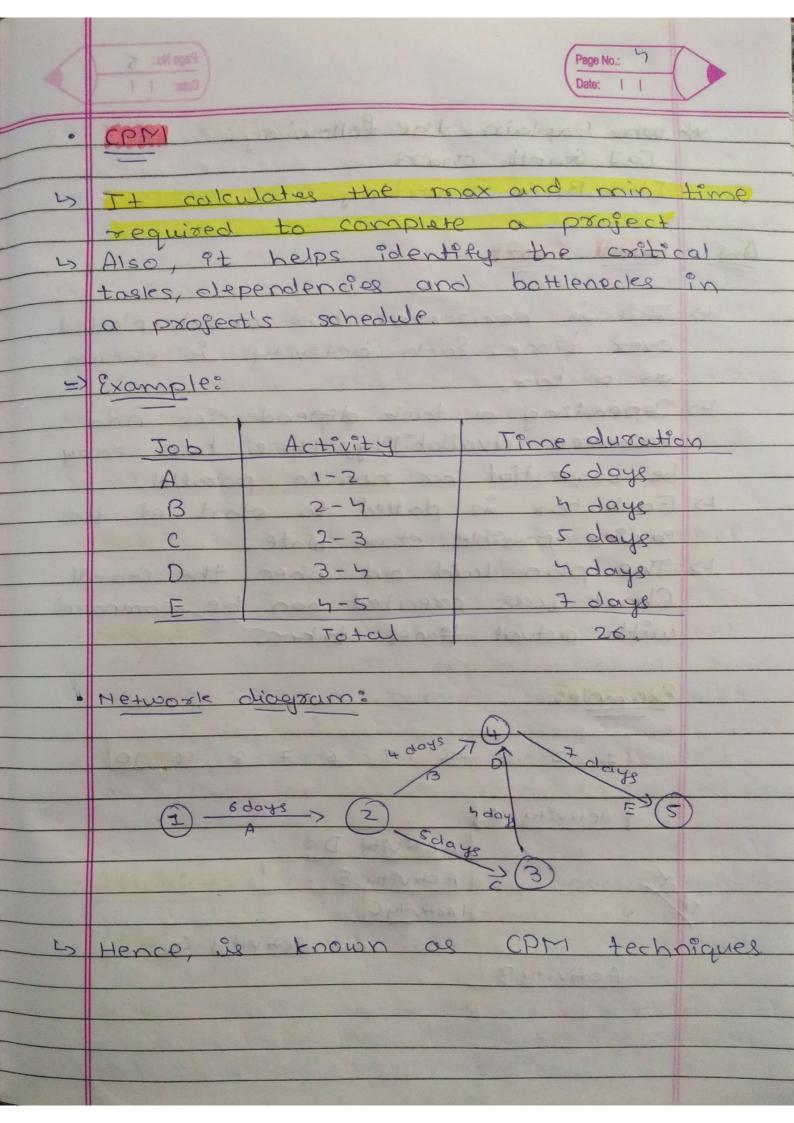
In a chronological order. But instead
of estimating effort, it considers
the optimistic pessimitic and mostlikeby time required to complete
a project

an activity's duration follows a probability distribution:

Mean (expected teme) = (tp-4+m+to)

Variance (-2) = (tp-to)

13 Hence, 95 knowns as PERT about technique

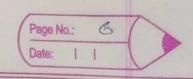


4/ tetre Explain the following: [a] Gantt chart [b] RAGe reporting Ans · Grant Chart 1) This is horizontal box chart plotted over time. Each activity is shown as a bax. Ly Depending a task dependencies and resource availability, there bass may be sequential or run in parallel. 1) Each bax is plotted to start at the Parlier possible ctart date. 1) The plan laid out when the Grant Chart was created can be compared with actual times taken. Examples 4 5 6 7 8 9 10

> Activity A Activity D A CHIVITY E Activity C

Activity

Activity B



· RAGE Reposting

L) A project status report is a document

that summarizes a project's overall progress

ageinst the projected project plan

L) A RAGE report (RAGE rating, RAGE status or

Delivery Confidence Assessment) present a

status assessment using the traffic

Light about designations; Red, Amber or leree

This gives a very visual and immediate

way of identifying problem areas and

potential program areas

- Red: Successful delivery of the project appears to be unachievable.
- · Amberked Successful delivery of the project is in doubt with major risks or issues apparent in a number of key areas
- Amber: Successful delivery appears fasible
  but significant issues already exist requiries
  management attention
- · Amber/Gereen: Successful delivery oppeass probable
- Groven: Surressful delivery of the project
  to time, cost and quality appears
  highly likely and there are no major outstody
  issues that at the stage appear to threaten