

২৩-২৪ পৌষ শনি-রবি ১৪২৮

৬-৭ পৌষ শুকল শনি-রবি ২০০৮

বঙ্গী ঘঃ ৩/৪২/সপ্তমী ঘঃ ৩/৪২

Hizri - 4-5 Zamadi-us-sani 1443

2022

January

Saturday

08

Software Engineering (viva)

✓ What is task dependency along with example?

A Task dependency represent the order in which tasks must be performed.

Examples of dependencies are:-

- Finish-to-start — Supper starts when the cooking is complete.
- Start-to-start — You can't start up the machine until the pollution testing starts.
- Finish-to-finish — Design work cannot finish until environmental studies are complete.
- Start-to-finish — Inspection cannot finish until client review starts.

2 Meaning of Forward schedule in Project Libre

A Forward schedule in Project Libre is the planning of tasks from the start date to due date i.e., The next task is scheduled after the previous task.

3 What is SRS?

A SRS or Software Requirement specification is a well written document which contains all requirements of customer.

4 What is Coupling? What is Cohesion?

A Coupling is the measure of the degree of interdependence between the modules.
A good software will have low coupling.

Cohesion is a measure of the degree to which the elements of the module are functionally related. A good software design will have high cohesion.

07

January

Friday

2022

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5 What is DFD?

A A DFD or Data Flow Diagram is a visual representation of the information flows within a system. It shows how data enters and leaves the system, what changes the information and where data is stored.

6 What is Critical Activity?

A Critical activities are those for which the start and end finish times are strictly defined. They are critical because the delay in their results in the delay of the whole project. It must be completed on-time before the starting the other dependent tasks.

7 What is CPM?

A CPM or Critical Path Method is method used in project planning for project scheduling for the on-time completion of the project. It helps in the determination of the earliest time by which the whole project can be completed.

8) Which model is known as meta model → Spiral.

9) What is PERT? → Program Evaluation Review Technique is a statistical tool used in project management, which was designed to analyze and represent the tasks involved in completing a given project.

10) Black Box Testing and White Box Testing → Black box testing checks scenarios where the system can break. For example, a user might enter the password in the wrong format and a user might not receive an error message on entering an incorrect password.

White box testing is a software evaluating method used to examine the internal structure, design, coding and inner-working of software. Developers use this testing method to verify the flow of inputs and outputs through the application, improving usability and design and strengthening security.

11) What is CFG? → A control flow graph is the graphical representation of control flow or computation during the execution of programs or applications. Control flow graphs are mostly used in static analysis as well as compiler applications, as they can accurately represent the flow inside of a program unit.

12) What is use case diagram? → A use case diagram is a graphical depiction of a user's possible interactions with a system. A use case diagram shows various use cases and different types of users the system has and will often be accompanied by other types of diagrams as well.

13) What is recurrent task? → Recurrence task is a task created repeatedly until the criteria specified is met. It is used to create a repeating task when the current task is marked as completed or overdue. • Task id is important to show precedence relation.

14) Definition of Gantt Chart → A Gantt chart is a type of bar chart that illustrates a project schedule, named after its popularizer, Henry Gantt. Modern Gantt charts also show the dependency relationships between activities and the current schedule status.

Q Definition of Gantt Chart? What is the Purpose of Task ID.

Ans Task ID is important to show precedence relation.