

Important Question's

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BLOCK 1

Ques. 1 Explain IEEE SRS format and apply it to develop SRS. Make necessary assumptions ?

- Online Examination System.
- Online Student Registration.
- Online Banking System.
- Student Admission System.
- Online Railway Reservation System

Ques. 2 Draw the first three levels of DFD's. Make necessary assumptions as required ?

- Online Examination System.
- Online Student Registration.
- Online Banking System.
- Student Admission System.
- Online Railway Reservation System

Ques. 3 Explain the Data Dictionary? Briefly explain the components of Data Dictionary with the help of an example ?

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BLOCK 1

Ques. 4 Explain the Entity-Relationship Diagram (ERD) with the help of ERD? Make necessary assumptions ?

- Online Examination System.
- Online Student Admission System.
- Savings Account in a Banking System.

Ques. 5 What is a use case diagram? Explain with the help of an example ?

BLOCK 2

Ques. 1 Explain the Function Oriented Design using an example ?

Ques. 2 What is cohesion? Explain the different types of cohesion ?

Ques. 3 What is coupling? Explain the meaning of a strongly coupled system ?

Ques. 4 What is a class diagram? Explain with the help of an example ?

Ques. 5 What is a test case? Explain test case for functional testing with the help of an example ?

Ques. 6 Explain module testing with the help of an example ?

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BLOCK 2

Ques. 7 Define the terms "Integration" and "Regression" Testing ?

Ques. 8 Explain the system testing? Explain recovery testing and performance testing with the help of examples ?

Ques. 9 What is 'acceptance testing'. Also, explain briefly about Alpha and Beta testing techniques?

BLOCK 3

Ques. 1 What is the Waterfall model? What are the advantages and disadvantages ?

Ques. 2 Explain the ProtoType Model with the help of a suitable example ?

Ques. 3 What is the Spiral model for software development?
Explain the types of software systems developed using this model.
And also explain the advantages

Ques. 4 Write a short note on Capability Maturity Models (CMM) ?

Ques. 5 Explain any four debugging strategies ?

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BLOCK 3

Ques. 6 What is meant by "Software Project Management" ?
Explain the different tasks involved in it ?

Ques. 7 Draw the PERT chart? Explain with the help of an example, the creation process of the PERT chart ?

Ques. 8 Draw the Gantt chart? Explain with the help of a diagram ?

Ques. 9 Write a short note on Software Maintenance? Explain its types ?

Ques. 10 Write a short note on Reverse Engineering ?

Ques. 11 Define the term 'Software Quality Assurance'. Explain McCall's Software Quality factors in brief? ?



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