Short Questions:

1) What is software engineering?
2) What is preventive maintenance?
3) What is the use of data dictionary?
4) What is a software process model?
5) What is procedural abstraction?
6) What is temporal cohesion?
7) What is expected requirement?
8) Explain types of questionnaires?
9) What is coupling?
10) What is software?
11) Define prototype.
12) Define control coupling?
13) What is effort distribution?
14) Define fan-in and fan-out.
15) What is functional independence?
16) What is Horizontal Partitioning?
17) What is backward traceability?
18) If fact finding techniques must while gathering requirement? Justify.
19) "Testing is the mandatory phase for development of the software" justify the statement.
20) What is context level?

Long Question:

1) Explain Waterfall model with advantages and disadvantages.
2) Explain Spiral model in detail.
3) Explain Generic view of software engineering.
4) Write a note on characteristics of SRS.
5) Write a note on components of SRS.
6) Explain In detail about analysis model.
7) Explain code design.
8) What are UML? Explain Use Case diagram in detail.
9) Explain black box and white box Testing.
10) Explain unit testing n detail.
11) Explain different types of software.
12) Define software process model. Compare and contrast Waterfall and prototype model.

13) Discuss software characteristics with diagram.
14) Explain Spiral model with figure.
15) Explain testing principles.
16) Explain Modularity in detail.
17) Explain different types of black box testing techniques.
18) Explain characteristics of design.
19) Explain different types of cohesion
20) Explain different types of coupling.
21) Explain class diagram with example.
22) Explain different types of change over.
23)Explain fact finding techniques.

DFD, DD, process specification

1) Draw DFD for Ticket Reservation System. Write DD and Process specification for this DFD.
2) Draw DFD for collage management system. Write DD and Process specification for this DFD.
3) Draw DFD for student Attendance system. Write DD and Process specification for this DFD.
4) Draw DFD for library management system. Write DD and Process specification for this DFD.
5) Draw DFD for online shopping system. Write DD and Process specification for this DFD.
6) Draw DFD for inventory management system. Write DD and Process specification for this DFD.
7) Draw DFD for Hospital management system. Write DD and Process specification for this DFD.

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