SEPM

Question Bank CT2

Q 1 Discuss translating the analysis model into design model within the context of software engineering

Q 2 Draw DFD up to level 2 for "Self Home Security Function"

Q 3 What is DFD? Explain the decomposition of DFD' in levels.

Q 4 Draw DFD up to level 2 for a restaurant management system which has food ordering, food delivering invoice creation and payment subsystem.

Q 5 Explain hierarchy of software testing with neat diagram.

Q 6 Who should perform the validation test. The software developer or the software user? Justify your answer

Q 7 Give and explain ten design principles in detail.

Q 8 Write short note on

  i)   Design model
  ii) Pattern based software design
  iii) User interface analysis and design

Q 9 What are the characteristics of good design.

Q 10 Describe cohesion and coupling along with its types.

Q 11 Explain the difference between structure analysis and object oriented strategies.

Q 12 Explain how the mapping of dataflow into software architecture takes place.

Q 13 Write short note on

  i)   Unit and Integration testing
  ii) Verification and validation
  iii) Alpha testing and Beta testing
  iv) System Testing

Q 14 What is debugging? Explain the process of debugging in detail

Q 15 Explain the white box and black box testing techniques in detail

Q 16 Explain the hierarchy of software testing with neat diagram.

Q 17 What is software testing? What are the objective of performing testing?

Q 18 Explain the concept of software architecture. Also write short note on

  i)   Data centered architectures
  ii)   Data flow architecture
  iii) Call and return architecture
  iv)   Object oriented architecture
  v)   Layered architecture