**SREE VENKATESWARA ENGINEERING COLLEGE**

**DEPARTMENT OF CSE**

**Subject : SOFTWARE ENGINEERING Staff Name: G.VENKATESH**

**Year: II B.TECH - II SEM Academic Year: 2018-19**

**SHORT ANSWER QUESTIONS (10 Marks)**

**UNIT I**

1) Define software engineering? Write about software myths?

2) Write about process framework?

3) Write about spiral model?

4) Explain the phases of unified process?

5) Write about water fall model and V-model?

6) Give the details of software process assessment and improvement models. Also write the characteristics of Webapps ?

7) Explain any two of the specialized process models?

8) Write about the objectives of Team software process? Explain the activities of Team software process and personal software process?

9) Write about Extreme Programming (XP) process?

10) Write about the following Agile Process models?

a) Adaptive software development(ASD) b) Dynamic Systems Development Method (DSDM)

11) Write about Incremental model and prototyping model?

12) Explain the characteristics of software? Discuss about software engineering layers?

**UNIT II**

1) Discuss about requirements engineering process?

2) Write about the requirements elicitation process?

3) Write in detail about the elements of requirements model?

4) Explain in brief about data modeling concepts?

5) Explain in detail about class based modeling?

6) Write about CRC modeling?

7) a) In class based modeling specify how the analysis classes are identified?

b) What are the selection characteristics of analysis model suggested by Coad and Yourdon?

8) Write about scenario based modeling? Also write about the UML models that supplement the usecase?

9) Write in detail about Requirements modeling for WebApps?

**UNIT – III**

1) a) Specify the characteristics of a good design which are suggested by McGlaughlin?

b) Mention quality guidelines?

2) Write in detail about design concepts?

3) Write about a) component level design elements

b) Interface design elements

4) Write in detail about various architectural styles?

5) Write about the four design principles applicable to the component level design of object oriented software?

6) Write about a) cohesion b) coupling

7) Explain the procedure of conducting component level design for an object oriented system?

8)a) what are software quality attributes developed by Hewlett –Packard?

b) Explain about architectural context diagram at the architectural design level?

9) Write about various views of a component?

**UNIT – IV**

1. Write about the three categories of golden rules used in interface design?
2. Write about the interface design issues?
3. Write about the Interface Analysis?
4. Write about the design principles used for the Webapp interfaces?
5. Explain the Interface design workflow for Webapps?
6. Write about the Layout issues and Graphic design issues forWebapps?
7. Write about the Navigation syntax and navigation semantics?
8. Write about the design goals that are applicable for webapps?
9. Explain the four design activities of Object Oriented Hypermedia Design Method (OOHDM)?

**UNIT – V**

1) Write about Unit testing? Also write about the strategic issues of software testing specified Tom Gilb?

2) Write about Integration testing for conventional software?

3) Write about the test strategies for Webapps?

4) Write about system testing?

5) Write in detail about the Validation testing methods?

6) Write about white box testing?

7) Write about Black box testing?

8) Write about the testing strategies used in Object oriented projects?

9) Write the testing methods applicable at the Class level in OO projects?