Hall Ticket No | | | | | | | | | | | Question Paper Code: ACS008

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

B.Tech V Semester End Examinations (Regular) - November, 2018

Regulation: IARE – R16

SOFTWARE ENGINEERING

Time: 3 Hours **(CSE)** **Max Marks: 70**

Answer ONE Question from each Unit
All Questions Carry Equal Marks
All parts of the question must be answered in one place only

UNIT – I

1. (a) List out any three specialized process model. Explain the component based development process model with their goals, advantages and routines. **[7M]**
   (b) Define Function point. Distinguish between the function point and LOC based project estimation. **[7M]**
2. (a) List and explain the basic principles which are guiding the software project scheduling. **[7M]**
   (b) Define Earned value analysis. How to determine earned value? Explain. **[7M]**

UNIT – II

3. (a) Explain about requirement validation. **[7M]**
   (b) What is the difference between software requirement document and design document? **[7M]**
4. (a) Discuss on various types of errors that occurs in SRS. **[7M]**
   (b) What are the functional and non functional requirements? **[7M]**

UNIT – III

5. (a) Explain the data design elements and component level design elements in design model. **[7M]**
   (b) List the different type of architecture styles and describe the data centered and object oriented architecture with necessary diagram. **[7M]**
6. (a) Write short notes on designing traditional components and design concepts. **[7M]**
   (b) Explain user interface design with example and write down the golden rules of interface design. **[7M]**

UNIT – IV

7. (a) Write short notes on **[7M]**
      i. White box testing
      ii. Black box testing
   (b) What is validation testing? Explain validation testing with example. **[7M]**

8. (a) How to identify the bugs? Discuss the characteristics of bugs. **[7M]**

   (b) List and explain the debugging strategies. Distinguish between the bug and review. **[7M]**

UNIT – V

9. (a) How to determine the earned values? List and explain the steps of finding earned values. **[7M]**

   (b) Discover the check list for risk identification and explain the same. **[7M]**

10. (a) List and explain the risk projection steps.How to identify the risk in project. **[7M]**

    (b) Discuss the Tracking Progress for an Object oriented Project. **[7M]**

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