Hall Ticket No Question Paper Code: AIT508



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

B.Tech VI Semester End Examinations (Regular), November – 2020

Regulation: IARE-R16

SOFTWARE DEVELOPMENT METHODOLOGY

Time: 2 Hours (CSE) Max Marks: 70

Answer any Four Questions from Part A

Answer any Five Questions from Part B PART - A1. Explain in detail about the layers involved in unified process model. [5M]2. Differentiate procedural abstraction and data abstraction. [5M]3. Discuss the steps involved in interface design. [5M]4. Analyse the concept of software maturity index and explain briefly. [5M]5. Outline RMMM plan using a risk information sheet (RIS). [5M]6. Discuss the evolving role of software engineering. [5M]7. Discuss in detail about software quality guidelines. [5M]8. Recall software reliability in software development methodology. [5M]PART - B[10M] 9. Illustrate in briefly waterfall model and explain with a neat sketch. 10. Elaborate the concept of concurrent model and explain with a suitable diagram. [10M] 11. Draw a neat sketch on architecture decision description template. [10M][10M] 12. Describe the context levels of data flow diagram and explain with a specified application. 13. Explain about any eight design concepts considered during design? [10M] [10M]14. Illustrate in detail about taxonomy of software design in the design of user interface. 15. Illustrate in briefly the metrics of requirements in product metrics. [10M] 16. Summarize the following i) Recovery testing ii) Security testing iii) Stress testing [10M]17. What are the risks may arise in recruitment problems, organizational financial problems? Describe suitable strategies which helps to manage the risk. [10M] [10M] 18. Elaborate different elements of software quality assurance in quality management.

 $-\circ\circ\bigcirc\circ\circ-$