**18CS501**

**Hall Ticket Number:**

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| **III/IV B.Tech (Regular) DEGREE EXAMINATION** | | | | | | | |
| **February, 2021** | | | **Computer Science & Engineering** | | | | |
| **Fifth Semester** | | | **Software Engineering** | | | | |
| **Time:** Three Hours | | | | **Maximum :** 50 Marks | | | |
| *Answer ALL Questions from PART-A.* | | | | | (1X10 = 10 Marks) | | |
| *Answer* ***ANY FOUR*** *questions from PART-B.* | | | | | (4X10=40 Marks) | | |
| **Part - A** | | | | | | | |
| 1 | Answer all questions | | | | | (1X10=10 Marks) | |
|  | a) | What are goals/objectives of software engineering? | | | | |  |
|  | b) | State the design principles? | | | | |  |
|  | c) | Define Scrum. | | | | |  |
|  | d) | Define quality assurance? | | | | |  |
|  | e) | Write about negotiating requirements. | | | | |  |
|  | f) | What is Use case scenario? | | | | |  |
|  | g) | How to create good software. | | | | |  |
|  | h) | Define Component. | | | | |  |
|  | i) | What is abstraction. | | | | |  |
|  | j) | Define LOC. | | | | |  |
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| **Part - B** | | | | | | | |
| 2 |  | Explain the following process models and also write their advantages and disadvantages   1. Spiral model 2. Rapid Application Development model | | | | | 10M |
|  | | | | | | | |
| 3 | a) | Explain different phases of unified process. | | | | | 5M |
| b) | Discuss different software myths. | | | | | 5M |
|  | | | | | | | |
| 4 | a) | Explain analysis modeling and design modeling principles. | | | | | 5M |
| b) | Discuss about eliciting requirements. | | | | | 5M |
|  | | | | | | | |
| 5 | a) | Explain different conventional components for design | | | | | 5 M |
|  | b) | What is DFD? Explain different levels of DFD’s with neat diagram? | | | | | 5 M |
|  | | | | | | | |
| 6 | a) | Explain cohesion and coupling methods. | | | | | 5M |
|  | b) | What are the types of golden rules explain?. | | | | | 5M |
|  | | | | | | | |
| 7 |  | Explain software architecture? | | | | | 10M |
|  | | | | | | | |
| 8 | a) | Describe SQA plan. | | | | | 5M |
|  | b) | Write about formal technical reviews | | | | | 5M |
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| 9 | a) | Explain about different types of testing | | | | | 5M |
|  | b) | What are advantages and disadvantages of software testing | | | | | 5M |

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