Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **14CS3042** | **Duration :** | **3hrs** |
| **Sub. Name :** | **SOFTWARE PROJECT MANAGEMENT** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Describe Conventional Software Mnagement. | CO1 | 4 |
| b. | How to improve Team Effectiveness? Mention its strategies. | CO1 | 4 |
| c. | Why and how to reduce Software product size? | CO2 | 4 |
| d. | List out the different steps involved in the Waterfall Model and illustrate with an example. | CO1 | 8 |
| **(OR)** | | | | |
| 2. | a. | Describe in detail the various stages and processes involved in the Lifecycle of Software Management. | CO1 | 10 |
| b. | What is the role of Artifacts in making the development of a complete software system manageable. List out any two artifacts and explain them. | CO2 | 10 |
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| 3. | a. | Illustrate a software architecture in a technical perspective with a suitable example. | CO2 | 10 |
| b. | Write short notes on: (i) Checkpoints of the process.  (ii) Periodic Status Assessment. | CO3 | 10 |
| **(OR)** | | | | |
| 4. | a. | Give the significance of cost and schedule estimation process in Software management discipines. | CO2 | 10 |
| b. | Mention the tools involved in Process Automation and explain them in detail. | CO1 | 10 |
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| 5. | a. | List out all the seven core metrics in Project control and Instrumentation and explain them. | CO3 | 10 |
| b. | State the differences between Bugdeted Cost and the expenditures. | CO2 | 5 |
| c. | How Staffing and Teaming helpful in controlling a project? | CO2 | 5 |
| **(OR)** | | | | |
| 6. | a. | In what ways a software can be reused? | CO1 | 4 |
| b. | Define Strategic planning and explain how it can be used in achieving the Required Quality of a particular software. | CO2 | 8 |
| c. | Explain in detail the Principles involved in the Modern Software Management. | CO3 | 8 |
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| 7. | a. | Design and develop a Software Architecture for a banking process illustrating its Managerial Perspective. | CO3 | 10 |
| b. | Explain the major steps involved in an Iterative process of software management. | CO1 | 10 |
| **(OR)** | | | | |
| 8. | a. | State and elaborate on the Engineering artifacts involved in Software Management process. | CO1 | 10 |
| b. | Explain the purpose of project organization and list out the roles and responsibilities of project team members. | CO2 | 10 |
|  | | **Compulsory**: |  |  |
| 9. | a. | What are the various steps involved in Object Oriented Method in software development? | CO1 | 10 |
| b. | Explain in detail about the Project Environment and why is it important to understand the impact of project environment on a project? | CO3 | 10 |