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



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

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|  |  |  |  |
| **Code :** | **18CA2011** | **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. | Discuss the activities that are covered by software project management. | CO1 | 10 |
| b. | Explain in detail the steps used to evaluate a project. | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | Perform an analysis on project characteristics that make a project unique. | CO1 | 14 |
| b. | Depict and explain Maslow’s hierarchy of needs. | CO3 | 6 |
|  |  |  |  |  |
| 3. |  | Describe in detail the various software process models and analyse how a developer can choose the appropriate process model. | CO4 | 20 |
| **(OR)** | | | | |
| 4. |  | Explain in detail how estimation is done using.  1. Function point analysis 2. COCOMO model | CO2 | 20 |
|  |  |  |  |  |
| 5. |  | List the need and advantages of an activity network. Illustrate with an example a forward and backward pass in an activity network. | CO4 | 20 |
| **(OR)** | | | | |
| 6. | a. | Identify the need for risk management.Tabulate the types and nature of risk. | CO2 | 8 |
| b. | Elaborate on the risk management techniques used in project management. | CO2 | 12 |
|  |  |  |  |  |
| 7. |  | Explain in detail the various strategies used to monitor a project. | CO6 | 20 |
| **(OR)** | | | | |
| 8. | a. | Discuss in detail the process of tendering in software project management. | CO5 | 10 |
| b. | Assume you are a project manager in a software company. Mention the steps you will take to ensure efficient resourse allocation. | CO4 | 10 |
|  | | **Compulsory**: |  |  |
| 9. |  | Evaluate the need for managing and organizing teams in a software development environment. | CO3 | 20 |