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



**End Semester Examination – Nov/Dec– 2017**

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| **Code :** | **14CS3041** | **Duration :** | **3hrs** |
| **Sub. Name :** | **SOFTWARE METRICS AND QUALITY 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. | Explain the method through which both formal and informal reviews are applicable for documentation. | CO1 | 10 |
| b. | Describe the three major approaches for the inhouse development. | CO1 | 10 |
| (OR) | | | | |
| 2. |  | Describe the various elements of a software quality system with an example for each. | CO2 | 20 |
|  |  |  |  |  |
| 3. |  | Explain the various types of testing and their special types. | CO1 | 20 |
| (OR) | | | | |
| 4. | a. | Describe the classification of defects based on their various basic characteristics. | CO1 | 10 |
|  | b. | Illustrate the various types of quality tools with a diagram. | CO2 | 10 |
|  |  |  |  |  |
| 5. |  | Explain the process through which security is enabled in the software development process. | CO1 | 20 |
| (OR) | | | | |
| 6. | a. | Describe the different types of maintainance with an example. | CO3 | 10 |
|  | b. | Illustrate with an example the process of test documentation. | CO1 | 10 |
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| 7. | a. | Explain the role of measurement in determining the best players in your favourite sport. | CO2 | 10 |
|  | b. | Suppose your development team has as its goal: Improve effectiveness of testing. Use the GQM approach to suggest several relevant questions and measures that will enable you to determine if you have met your goal. | CO3 | 10 |
| (OR) | | | | |
| 8. |  | Define a measurement scale and explain the various types of scale types with an example. | CO1 | 20 |
|  | |  |  |  |
|  | | **Compulsory:** |  |  |
| 9. |  | Define code size. Explain the various ways through which code size is being measured. | CO3 | 20 |

ALL THE BEST