**INTERNAL ASSIGNMENT**

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| **SESSION** | **AUGUST 2023** |
| **PROGRAM** | **BACHELOR of COMPUTER APPLICATIONS (MCA)** |
| **SEMESTER** | **V** |
| **course CODE & NAME** | **DCA3103 – SOFTWARE ENGINEERING** |
| **CREDITS** | **4** |
| **nUMBER OF ASSIGNMENTS & Marks** | **02**  **30 Marks each** |

**Note:**

* **There will be two sets of assignments for every course and all questions are compulsory in both sets.**
* **Average of both assignments’ marks scored will be considered as Internal Assessment Marks.**
* **Answers for 10 marks questions should be approximately of 400-500 words.**

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| **Set – I** | | | |
| **Q.No** | **Questions** | **Marks** | **Total Marks** |
|  | Explain the advantages and disadvantages of different software development models. | 10 | 10 |
|  | 1. List the various guidelines for data design. 2. List various functions of architectural design. | 5+5 | 10 |
|  | Briefly explain the different approaches to software process assessment and its improvement. | 10 | 10 |
| Set – II | | | |
| **Q.No** | **Questions** | **Marks** | **Total Marks** |
|  | 1. Briefly explain the characteristics of software testing. 2. Write a short note on   a. White Box Testing  b. Black Box Testing | 5 + (2.5+2.5) | 10 |
|  | Define Software maintenance and explicate its various tasks. | 2 + 8 | 10 |
|  | 1. Briefly explain the Process of Agile Software Development. 2. Differentiate traditional Software Engineering and Modern Engineering. | 5 +5 | 10 |