 **D.Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY**

**KASABA BAWADA KOLHAPUR-416006**

**Set-: II**

**Q. Paper Code:**

**23SYCS201301**

**(An Autonomous Institute)**

S. Y. B. Tech (CSE), Sem-II

**END SEMESTER EXAMINATION, Jan. – 2022**

Course Name: **Software Engineering**, Course Code: **201CSL201**

Seat No:

**Day and Date: Monday, 16.01.2023**

**Time: 2.00 pm to 4.00 pm Max. Marks- 50**

***Instructions:***

1. *All Questions compulsory.*
2. *Draw diagram whenever necessary.*
3. *Figure to the right indicate full marks.*

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| **BT** | **CO’s** | | **Q. No.** |  | | **Marks** | |
|  |  | | **Q.1** | **All Questions are compulsory** | | **20** | |
| **2** | **CO1** | | **a** | Explain Component Software Processes. |  | | **6M** |
| **2** | **CO2** | | **b** | Explain structure of SRS document. | **7 M** |
| **2** | **CO2** | | **c** | Illustrate PERT with example | **7 M** |
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|  |  | | **Q.2** | **All Questions are compulsory** | | **10** | |
| **2** | **CO3** | | **a** | Discuss different Architectural styles in software design.  OR  What is coupling and cohesion? Explain types of Cohesion. |  | | **6** |
| **1,2** | **CO3** | | **b** | What is software design review? Elaborate types of reviews. | **4** |
|  | |
|  |  | | **Q.3** | **All Questions are compulsory** | | **10** | |
| **2** | **CO3** | | **a** | Explain Interaction diagram. Draw and explain sequence diagram example. |  | | **7** |
| **1,2** | **CO3** | | **b** | Write a note on UML.  OR  Write a note on Use Case diagram. | **3** |
|  | |
|  |  | | **Q.4** | **Attempt any two out of three questions** | | **10** | |
| **1,2** | **CO4** | | **a** | Discuss programming practices in coding. |  | | **5** |
| **1.2** | **CO4** | | **b** | Elaborate Unit testing with its environment. | **5** |
| **1,2** | **CO4** | | **C** | Explain the following.  i)Bug ii) Error iii)Fault iv)Failure v)Verification  vi)Validation | **5** |

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