#### Enrollment No: \_\_\_\_\_\_\_\_\_\_\_\_

**GANPAT UNIVERSITY**

**U. V. PATEL COLLEGE OF ENGINEERING**

**B. TECH (CE/IT/CE-AI)**

**SEM – V SECOND INTERNAL EXAMINATION – OCT 2022**

**2CEIT502: SOFTWARE ENGINEERING**

**Time: 1 Hour Total: 20 Marks**

Instructions: (1) All questions carry equal marks.

(2) All questions are compulsory.

(3) Draw neat diagram, wherever necessary.

(4) Assume suitable data, wherever required

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| **Q1** | Suppose a Software development organisation has no SRS document of the software being developed, without developing an SRS document what are severe problems that organisation might face? Why SRS is known as black box specification | **[4]** |
| **Q2**  **Q3**    **Q4**  **Q5** | Using suitable example, explain the different types of requirement analysis problems that should be identified and resolved during the requirement analysis activity. Define functional requirement of the software?  Describe Requirement elicitation techniques for software development. Why is Traceability importance in Requirement Analysis?  Draw a class diagram using the UML syntax to represent the following aspects concerning a library. An issuable can either be a book or journals. Books can be either reference books or text books. The details of various issuable are maintained in a register called the issuable register. The library has 2 members whose details are maintained in a member register. A member can issue up to 10 text books and 10 journals for a month.  List the behavioural relationship used in Use-Case Diagram with Example. Develop the sequence diagram for a patient admit/registration system | **[4]**  **[4]**  **[4]**  **[4]** |
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