

II-B.TECH(R-22) II-SEM I-MID EXAMINATIONS, MARCH 2025

**SUBJECT: SOFTWARE ENGINEERING**

**BRANCH:CSE,IT MARKS:30 M**

DATE:08-03-2025 TIME:10 AM to 12:00 PM

Answer all questions in Part-A &Answer any FOUR question in Part-B

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| **Part-A** |  | **5\*2=10M** |
| Q1.**What** are the challenges in software? | **BTL**  **1** | **CO**  **[CO1]** |
| Q2**. Define** system model. | **1** | **[CO2]** |
| Q3**. Define** requirements. Mention the types of requirements. | **1** | **[CO2]** |
| Q4.**Write** the Techniques in requirement elicitation. | **6** | **[CO2]** |
| Q5.**List** software quality attributes. | **1** | **[CO3]** |

Answer any four questions

Part-B4\*5=20M

1. a.**Distinguish** between personal software process and team software process models. **4 [CO1]**

b.**Write** about software myths. **6 [CO1]**

1. a. **Explain** about Waterfall model. **5 [CO1]**

b.**Explain** about Incremental model. **5 [CO1]**

1. **Discuss** about SRS document. **6 [CO2]**
2. **Distinguish** between functional and non-functional requirements. **4 [CO2]**
3. **Write** about software Quality Guidelines and attributes. **6 [CO3]**
4. **Explain** about Design Concepts. **5 [CO3]**

**SCHEME OF EVALUATION**

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| --- | --- | --- | --- |
| **S.NO** | **THEORY** | **MARKS** | **TOTAL** |
| 1 | Challenges in software | 2 | 10 |
| 2 | **Definition**-system model | 2 |
| 3 | **Definition-** requirements, types of requirements? | 2 |
| 4 | **Write**- Techniques in requirement elicitation? | 2 |
| 5 | **List**-software quality attributes? | 2 |
| 6 | **Part-B**  a)**Differences**-personal software process and team software process models | 2 | 20 |
| b)**Write-** software myths | 3 |
| 7 | a) **Explanation**-waterfall model | 2 |
| b) **Explanation-** Incremental model | 3 |
| 8 | **Discuss**-SRS document | 5 |
| 9 | **Differences**-functional and non-functional requirements | 5 |
| 10 | **Write**-software Quality Guidelines and attributes | 5 |
| 11 | **Explanation**-Design Concepts | 5 |
| **TOTAL MARKS** | | **40** | **30** |