

**IV.B.TECH- I-SEM (R20)-I MID EXAMINATIONS-AUGUST-2023 Date: 29/08/2023**

**Subject: Software Metrics and Measures Time:10:00 TO 11:30 A.M**

**Branch:**  **IT-A Marks: 25 M**

***Answer All Questions In Part-A& Part-B***

**Part-A 5\*2=10 M**

**BTL CO**

1. Define Software metrics? **2 1**
2. What is Metrics for Software Maintenance? **2 1**
3. Define Histogram, Run Charts, Scatter Diagram? **2 2**
4. Explain about Metrics for Design Model? **2 3**
5. Explain about Rayleigh Model Basic Assumptions? **1 2**

**Part-B** **5\*3=15 M**

**BTL CO**

6. a. Explain the cocomo model.

b. Explain and reliability and validity measurement error **5 1**

**(Or)**

7. Explain about Checklist, Pareo Diagram with the examples. **5 1**

8. What is the difference between Metrics for analysis model, Metrics for Design Model**? 6** **3**

**(Or)**

9. Explain about Metrics for source code, Metrics for testing and maintenance. **6 2**

10. Explain the quality professional view and software quality management? **2 1**

**(Or)**

11. Explain about the Rayleigh Model Basic Assumptions with example? **6 2**

**SCHEME OF EVALUATION**

**Part –A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Define Software metrics? | **2** | **2** |
| **2** | What is Metrics for Software Maintenance? | **2** | **2** |
| **3** | Define Histogram, Run Charts, Scatter Diagram? | **2** | **2** |
| **4** | Explain about Metrics for Design Model? | **2** | **2** |
| **5** | Explain about Rayleigh Model Basic Assumptions? | **2** | **2** |

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | a. Explain the cocomo model.  b. Explain and reliability and validity measurement error  **(Or)** | **2.5**  **2.5** | **5** |
| **7** | Explain about Checklist, Pareo Diagram with the examples. | **5** |  |
| **8** | What is the difference between Metrics for analysis model, Metrics for Design Model**?**  **(Or)** | **5** | **5** |
| **9** | Explain about Metrics for source code, Metrics for testing and maintenance. | **5** |  |
| **10** | Explain the quality professional view and software quality management?  **(Or)** | **5** | **5** |
| **11** | Explain about the Rayleigh Model Basic Assumptions with example? | **5** |  |

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