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Question Paper Code	12525
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**B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV / DEC 2023**

Third Semester

**Information Technology**

**20ITPC302 - SOFTWARE ENGINEERING**

(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

**PART-A (10 × 2 = 20 Marks)**

Answer ALL Questions

- |   | <i>Marks,<br/>K-Level, CO</i> |
|---|-------------------------------|
| 1. Define Process.                            | <i>2,K1,CO1</i>               |
| 2. What is agility in software engineering?   | <i>2,K1,CO1</i>               |
| 3. Outline about the functional requirements. | <i>2,K2,CO2</i>               |
| 4. List the benefits of feasibility study.    | <i>2,K1,CO2</i>               |
| 5. Define Design Process.                     | <i>2,K1,CO3</i>               |
| 6. Write the advantages of User Interface.    | <i>2,K1,CO3</i>               |
| 7. What do you mean by White box testing?     | <i>2,K1,CO4</i>               |
| 8. State Reverse Engineering.                 | <i>2,K1,CO4</i>               |
| 9. Define Function Point.                     | <i>2,K1,CO5</i>               |
| 10. How the CASE tools are classified?        | <i>2,K2,CO5</i>               |

**PART - B (5 × 13 = 65 Marks)**

Answer ALL Questions

11. a) List the Perspective Process models. Briefly explain any one model with neat diagram. *13,K2,CO1*
- OR**
- b) Describe in detail about Extreme Programming and XP values. *13,K2,CO1*
12. a) Draw the Non-functional requirement chart and explain in detail. *13,K2,CO2*
- OR**
- b) Explain in detail about Data Dictionary. *13,K2,CO2*
13. a) Illustrate the Design Concepts with suitable example. *13,K2,CO3*
- OR**
- b) Illustrate the User Interface analysis and design. *13,K2,CO3*

14. a) What is testing? List the types of testing and explain in detail. *13,K2,CO4*

**OR**

b) Explain in detail about the Phases in software Reengineering process model. *13,K2,CO4*

15. a) List the advantages of COCOMO model and give the examples for each one in detail. *13,K2,CO5*

**OR**

b) Explain the Project Scheduling for any mobile application development project. *13,K2,CO5*

**PART - C (1 × 15 = 15 Marks)**

16. a) Explain in detail about the Risk Projection. *15,K2,CO6*

**OR**

b) Summarize the taxonomy of CASE TOOLS. *15,K2,CO6*