

No Preview  
Available

Total No. of Question : [4]

Registration No. : 

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**Programme Name : Computer Science & Engineering(DS)**  
**Regular T.Y.B.Tech. ESE (A.Y. 2023-24) Sem.V Nov.2023**  
**V SEMESTER ( 2021 BATCH)**  
**201DSL305-Software Engineering**

Duration : [ 11:00 AM - 01:00 PM ]

Date : 01 Dec, 2023

Day : Friday

Marks : 50

**Instructions :**

**(Q1) All Questions are Compulsory.** [20.0]

(1.1) What is requirements elicitation? Explain various techniques of it. [6.0]

**CO :- C305.2**  
**Blooms Taxonomy :- Remember**

(1.2) Explain Spiral Model in detail with neat labelled diagram. [7.0]

**CO :- C305.1**  
**Blooms Taxonomy :- Understand**

(1.3) Define project staffing? Explain basic team structures with suitable diagrams. [7.0]

**CO :- C305.2**  
**Blooms Taxonomy :- Remember**

**(Q2) All Questions are Compulsory** [10.0]

(2.1) Enlist and explain in brief principles of software design. [4.0]

**CO :- C305.2**  
**Blooms Taxonomy :- Remember**

(2.2) What is sequence diagram? Draw sequence diagram for order management system. [6.0]

**CO :- C305.2**  
**Blooms Taxonomy :- Remember**

**OR [ 2.2 / 2.3 ]**

(2.3) Enlist and explain object-oriented design concepts in detail [6.0]

**CO :- C305.2**  
**Blooms Taxonomy :- Remember**

**(Q3) All Questions are compulsory** [10.0]

(3.1) What is design patterns? Give different design patterns in s/w engg. [3.0]

**CO :- C305.3**

**Blooms Taxonomy :- Apply**

(3.2) Discuss concept of object oriented analysis and design methodology in detail. [7.0]

**CO :- C305.3**

**Blooms Taxonomy :- Apply**

**OR [ 3.2 / 3.3 ]**

(3.3) What is state chart diagram? Draw a state chart diagram for online order management system. [7.0]

**CO :- C305.3**

**Blooms Taxonomy :- Apply**

**(Q4) Attempt any two out of three questions.** [10.0]

(4.1) Discuss black-box testing in detail. [5.0]

**CO :- C305.4**

**Blooms Taxonomy :- Understand**

(4.2) Explain various code verification techniques. [5.0]

**CO :- C305.4**

**Blooms Taxonomy :- Understand**

(4.3) What is system testing? Explain its different categories. [5.0]

**CO :- C305.4**

**Blooms Taxonomy :- Understand**

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