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School of Computing Science and Engineering

Master of Computer Applications
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem II - E1PY208T - Software Engineering and Testing

General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Relate the concept of function -oriented design approach K2 (2)
- 2) What is Unified Modelling Language? K1 (3)
- 3) Explain the term Software engineering paradigm? K2 (4)
- 4) Explain how modularity contributes to effective software design. Provide real-world examples. K2 (6)
- 5) Discuss the challenges and advantages of Object-Oriented Design in software development. K3 (6)
- 6) Construct a UML class diagram for a simple online shopping system with classes for Customer, Product, and Order. K3 (9)
- 7) Analyze the advantages and disadvantages of using the Waterfall model for software development. K4 (8)
- 8) Compare various UML diagrams used to develop a software. K4 (12)

OR

Analyze the impact of cohesion on software maintenance. How does it influence the ease of updating code? K4 (12)