D:\exam01\logo_red.pngVISHNU INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Mid – II Examinations

**Software Engineering (AI&ML, AI&DS)**

**M-II QUESTION BANK**

**Unit-3**

1. Explain class diagram with an Example L1 [CO1] [6M]

2. Draw an object diagram. Explain L2 [CO1] [6M]

3. Explain Component Diagram with an example L2 [CO1] [6M]

4. Explain Deployment Diagram with an example L2 [CO1] [6M]

5. Draw a use Case Diagram. Explain L1 [CO1] [6M]

6. Explain Sequence Diagram with an example L1 [CO1] [6M]

7. What is Collaboration Diagram? Explain. L1 [CO1] [6M]

8. Explain state chart diagram with an example. L1 [CO1] [6M]

9. What is an activity? Draw an Activity diagram with an example. L1 [CO1] [6M]

10. Difference between activity diagram and state diagram. L2 [CO1] [6M]

**Unit-4**

1. What is the difference between code and code review? L2 [CO2] [12M]

2. What is software documentation in software engineering? L2 [CO2] [12M]

3. What is the basic concept of testing? Explain the types of testing L2 [CO2] [12M]

4. What is a white box in software testing? Explain L2 [CO2] [12M]

5. Explain briefly black box testing in detail. L2 [CO2] [12M]

6. Write about integration testing. Explain with an example L2 [CO2] [12M]

7. How to test object oriented programs? L2 [CO2] [12M]

8. Explain general issues associated with testing. L2 [CO2] [12M]

**Unit-5**

1. What is software reliability and hardware reliability? Explain. L2 [CO3] 12M]

2. Explain briefly statistical testing in software engineering? L2 [CO3] [12M]

3. Why is software quality important in software engineering? L2 [CO3] [12M]

4. What is a QMS in software development? Explain. L2 [CO3] [12M]

5. What is ISO 9000 explain its importance in software Engineering? L2 [CO3] [12M]

6. What are the different levels of SEI CMM? Explain. L2 [CO3] [12M]

7. Explain maintenance process models in software engineering? L2 [CO3] [12M]