

# AR18

**CODE: 18IET21B**

**SET-1**

**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI  
(AUTONOMOUS)**

**II B.Tech II Semester Supplementary Examinations, April-2026**

**IT SYSTEMS MANAGEMENT**

**Time: 3 Hours**

**Max Marks: 60**

Answer ONE Question from each Unit

All Questions Carry Equal Marks

All parts of the Question must be answered at one place

## **UNIT-I**

1. a) Define IT Infrastructure. Explain IT infrastructure Management Activities. 6M  
b) Explain Complexity of today's Computing Environment. 6M  
(OR)
2. a) Define the evolutions of systems since 1960's and their management. 6M  
b) Define Network? Explain Growth of Internet and its Application. 6M

## **UNIT-II**

3. a) Explain Software Development life cycle and types of SDLC Models. 6M  
b) Discuss about software economics. 6M  
(OR)
4. a) Explain the Waterfall model. List out the advantages and disadvantages of Waterfall model. 6M  
b) Explain Conventional Software Management Performance. 6M

## **UNIT-III**

5. a) Define Model? Explain about Use Case Diagram in modelling. 6M  
b) Describe the common tasks in IT system Management. 6M  
(OR)
6. a) Explain about System Context diagram in brief. 6M  
b) Explain about Strategy-Tactics-Operations (STO) approach in detail. 6M

## **UNIT-IV**

7. a) Define Access control System in detail. 6M  
b) Explain Emerging Trends in IT E-Commerce and GSM. 6M  
(OR)
8. a) Explain Computer Security, Internet Security. 6M  
b) What are Identity Management and Intrusion Detection? 6M

## **UNIT-V**

9. a) Explain in detail about Disaster Recovery. 6M  
b) Explain the traditional division of storage hierarchy. 6M  
(OR)
10. a) Explain the mechanism of Back up Process. 6M  
b) Explain Storage Management Process and Activities. 6M