

# AR18

**CODE: 18IET21B**

**SET-1**

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

**II B. Tech II Semester Supplementary Examinations, July,2025**

**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) Illustrate the Complexity of today's Computing Environment. 6M
- (OR)**
2. a) Elaborate 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) Outline the Software Development life cycle and types of SDLC Models. 6M  
b) Describe about software economics. 6M
- (OR)**
4. a) Write about 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? Illustrate the 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) Describe about Strategy-Tactics-Operations (STO) approach in detail. 6M

## **UNIT-IV**

7. a) Define Access control System in detail. 6M  
b) Classify 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) Illustrate in detail about Disaster Recovery. 6M  
b) Outline the traditional division of storage hierarchy. 6M
- (OR)**
10. a) Describe the mechanism of Back up Process. 6M  
b) Write about Storage Management Process and Activities. 6M