

FUNDAMENTALS OF INFORMATION TECHNOLOGY (AI/ML)

I. SHORT ANSWER QUESTIONS

UNIT-I

- 1) What Are Steps Involved In Data Processing?
- 2) Find The Binary Equivalent Of (23)₁₀
- 3) What Are Different Image Formats ?
- 4) Types Of Data ?

Unit- II

- 1)WhatIs Memory Cell?
- 2)DifferenceBetween RAM And ROM?
- 3)WhatIs A Flip-Flop Storage Cell?
- 4)What Is Flash Memory?
- 5) What Is A DVD ?

UNIT- III

- 1)What Is Firewall?
- 2)Explain Different Types Of Networks ?
- 3) What Is A Printer? List Its Types?
- 4)What Is Programming Language And Its Types?

UNIT – IV

- 1)Define Software Process?
- 2)Difference Between The Verification And Validation?
- 3) Goals Of Coding ?
- 4)Waterfall Model Steps?

II. ESSAY QUESTIONS

UNIT –I

- 1) Explain Various Input Devices Of A Computer System?
- 2) Explain Hexadecimal Representation Of Numbers With Examples?
- 3) What Is True For MPEF Video Compression? How Many MPEF Standards Are There?
- 4) Discuss About Various Types Of Data In Detail With Examplesa?
- 5) Explain Block Diagram Of A Computer .Briefly Explain Components To The Desktop Computer?
- 6) Discuss The Acquisition Of Picture Data And Types Of Image Formats?

UNIT – II

- 1)WhatIs The Need Of Different Storage Units In A Computer Systems?
- 2)ExplainIn Detail RAM?
- 3) Explain The Organization Of Cpu And Units Of A Computer?
- 4) Explain About ROM And Its Types?
- 5) Discuss About CD/DVD Rom In Detail?

UNIT-III

- 1) What Is Local Area Network ? How Does It Work
- 2) What Is WAN? List Out Its Advantages?
- 3) What Is IP Packet ?Explain Packet Switching Techniques?
- 4) What Is Computer Software And Give Examples?
- 5) What Is Operating System? Discuss The Functions Of Operating System?

UNIT-IV

- 1) Explain Software Process In Detail?
- 2) Explain The Phases Of Rational Unified Process Model?
- 3) What Is Iterative Model State And Its Advantages?
- 4) Explain How Cost, Schedule And Quality Playing Important Role In Producing Softwares?
- 5) Explain Water Fall Model In Software Process?