(4)

Unit-I V

8. Which layer becomes responsible for transport raw bit stream from one machine to another in OSI model. Explain the working of fiber optics with single mode and multimode fiber. 7

   (b) Discuss UTP in detail. 4

9. Write short notes on following. 11

   (i) Network Interface Card

   (ii) Time lines and Tweens

   (iii) Knowledge Based System

   (iv) Applications of Animation

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B.Sc. (Part-III) Examination, 2015

(Old Syllabus)

Computer Application

Second Paper

(Advance Topic in Computers)

Time Allowed : Three Hours]   [Maximum Marks : 75

Note : Answer five questions in all. Question No.1 is compulsory. Attempt One question from each Unit.

1. (a) What do you mean by 'Ethernet'? 3

   (b) Write short notes on Sound Card? 3

   (c) Write the name of software used for audio/video editing? 3

   (d) Explain the usage of Key-frames? 3

   (e) Distinguish LAN, MAN and WAN? 3

(f) Write the advantages of star topology also mention the disadvantages of this topology. 3

(g) Write the advantages of Networking. 3

(h) What do you mean by knowledge acquisition? 3

(i) Write a short note on fuzzy logic. 3

(j) Discuss the role of Multimedia in human life. 4

Unit-I

2. (a) What do you mean by computer animation? Write down various steps for animation sequence. 7

(b) Write a short note on Animation tools. 4

3. Write short notes on following. 11

(i) RASTER ANIMATIONS

(ii) Key frame system

(iii) Morphing

(iv) Kinematics and Dynamics description

Unit-II

4. (a) What is an Intelligent agent? Describe the basic kinds of agent Programme. 7

(b) What is AI? Write various areas of AI. 4

5. (a) Give the advantages of expert-system Architecture based on decision trees those of Production Rules with example. 7

(b) Discuss the concept of uncertainty in expert system. 4

Unit-III

6. Define 'Cryptography'? Why data encryption is reqrired to perform before data transmission. Distinguish Substitution Ciphers from Transposition Ciphers with example. 11

7. (a) How many topologies you know for point-to-point subnet. Explain with suitable daigram. 7

(b) Write short notes on 4

(i) ATM

(ii) Ciphertext

(iii) Decibel

(iv) Data Compression