December, 2019

B.Sc. Animation (First Sem Reappear)

Fundamentals of Information and Web Technology (B.SC. (A)-18-101)

Time: 3 Hours

Max. Marks:75

Instructions:
1. It is compulsory to answer all the questions (1.5 marks each) of Part -A in short.
2. Answer any four questions from Part -B in detail.
3. Different sub-parts of a question are to be attempted adjacent to each other.

PART -A

Q1 (a) What is RAM? (1.5)

(b) Convert 231.2(decimal) into its binary equivalent? (1.5)

(c) What is FTP? (1.5)

(d) What is Trackball? (1.5)

(e) What is assembler? (1.5)

(f) What is the function of data link layer in OSI model? (1.5)

(g) What is multiprogramming? (1.5)

(h) What is Accumulator? (1.5)

(i) Explain Ring Topology? (1.5)

(j) What is machine language? (1.5)

PART -B

Q2 (a) What is an Operating System? Explain different types of Operating system in detail and also explain different functions of operating system in detail. (15)

Q3 (a) Explain different modes of communication channels in detail along with its diagram. (5)

(b) Explain different types of communication channels(both wired and wireless) in detail. (10)

Q4 Differentiate between:

(a) LAN and WAN (5)

(b) Random scan and Raster Scan (5)

(c) High level language and low level language. (5)

Q5 (a) Explain the process of conversion of High level language(source code) into low level language (machine language). (7)

(b) What is Microprocessor? Differentiate between RISC and CISC. (8)

(a) Write an HTML code for designing an online school admission form using radio (9) buttons, checkboxes and Textboxes. Give fields name, gender, Address, Documents attached etc.

(b) Write an HTML code for designing a webpage with pink background; give an (6) external link to yahoo.com and insert an image named cartoon .jpg in it.

Q7 (a) What are Inline Input devices? Explain some Inline Input devices along with (8) well labelled diagrams.

(b) What is CPU? Explain architecture of CPU in detail along with well labelled (7) diagram.

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