Roll No. .... Total Pages : 3

334101

Dec. 2018

B.Sc. Animation Ist Semester

FUNDAMENTALS OF INFORMATION AND WEB TECHNOLOGY

(B.Sc.-18-101)

Time : 3 Hours] [Max. Marks : 75

Instructions :

(i) *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*

(ii) *Answer any four questions from Part-B in detail.*

(iii) *Different sub-parts of a question are to be attempted adjacent to each other.*

PART–A

1. (a) Define Operating System. (1.5)

   (b) What is a URL? Give example. (1.5)

   (c) What is a port? (1.5)

   (d) What is role of IP? (1.5)

   (e) Create an ordered list of items: Asia, Africa, Australia. Use capital roman numbers to order them. (1.5)

(f) Differentiate between Graphical User and Character User Interface. (1.5)

(g) What is an Assembly Language? (1.5)

(h) What is a microprocessor? (1.5)

(i) Write any two objects of HTML form. (1.5)

(j) Define Internet. (1.5)

PART–B

2. (a) Define Computer. Explain its various components with the help of a neat diagram. (10)

(b) Define Software. Explain its various types. (5)

3. (a) Define the terms : Assembler, Loader and Linker. (5)

(b) Explain memory hierarchy. (10)

4. (a) What is OSI Reference Model? Explain with a neat diagram. (10)

(b) What is the difference between Compiler & Interpreter? (5)

5. (a) Convert $(1100110100)_2$ into decimal, octal and hexadecimal. (5)

(b) What is an Output Device? Explain any 2 printers in detail. (10)

6. (a) Design an HTML page to create a railway time table. Use at least 6 table tags. (10)

   (b) Compare LAN, WAN and MAN. (5)

7. Write Short notes on :

   (i) Modes of Connection to Internet.

   (ii) High level Language.

   (iii) HTTP protocol. (15)

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