

Roll No.

Total Pages : 03

BT-4/M-24

44220

INTERNET AND WEB TECHNOLOGY
PC-CS-AIDS

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. How to determine that a website needs a search system ?
Also discuss the anatomy of search system. 15
2. Identify the basic uses of Architectural Page Mockups in order to design efficient Information Architecture. 15

Unit II

3. Write HTML code for a single web page design for the following : 15
 - (i) To divide web page in four sections with 25% each
 - (ii) To display five different images and all five images are moving from top to bottom
 - (iii) To add a video that has width of 520 pixels by 440 pixels
 - (iv) To create a nested list.

- (v) To create a form having three checkboxes, three radio buttons and one submit button.
4. What is CSS ? Explain all different methods, how is CSS implemented within HTML with example. 15

Unit III

5. (i) What is Prompt Box ? Write a code for its implementation.
- (ii) Write code for embedding javascript code in HTML 5. 15
6. (i) How are switch statements implemented in JavaScript ?
- (ii) Write a code for implementing ternary operator. 15

Unit IV

7. Write a single Python program to execute the following : 15
- (i) Both ways to end a loop
- (ii) Use split() function
- (iii) Multiple inheritance
- (iv) Range() and xrange() function
- (v) Python namespace.
8. Write a single program to execute the following : 15
- (i) Whether a number is whole or not

- (ii) Different functions to retrieve rows from a table
- (iii) What are *args ?
- (iv) Difference between List and Tuples with example
- (v) Apply Del() and remove() on List.