

Roll No.

Total Pages : 03

BT-4/M-23

44218

INTERNET AND WEB TECHNOLOGY

PC-CS-AIDS-208A

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. (a) Discuss collaboration and communication. How do you create cohesive organization system ? Discuss. 7
(b) What are the different types of navigation systems ? Discuss designing aspects of elegant navigation system and how do you integrate navigation elements ? 8
2. (a) Elaborate the steps for designing search interface for searching your website. How do you make your search more effective ? 7
(b) Draw a neat sketch and explore the components of architectural page mock-ups. 8

Unit II

3. (a) How is XHTML better than HTML ? Discuss syntactic difference between XHTML and HTML. Write note on text mark up and images. 7
- (b) What do you understand by HTML tags ? How do you create table and design forms ? 8
4. (a) What are the different levels and style specifications of Cascading Style Sheet (CSS) ? 7
- (b) Discuss CSS list properties, colour properties and conflict resolution. 8

Unit III

5. (a) Write note on object orientation and syntactic characteristics of java script. Explain await keyword and the yield keyword. 7
- (b) How are objects created and modified ? Write example in support to your answer. 8
6. (a) Discuss regular expression in JavaScript. How can it be used for pattern ? Justify your answer. 7
- (b) Write note on functions, constructors and errors in JavaScript. 8

Unit IV

7. (a) Discuss the key features of Python. Write a note on name space, data types and expressions used in Python. 7

- (b) What are Dict and List comprehensions in Python ?
Differentiate between .py and .pyc files. 8
8. (a) What is the usage of help() and dir() function in
Python ? 7
- (b) Define class and objects. How do you create class
and objects in Python ? 8