

Roll No.

MCA–21

Advanced Web Technology

Master of Computer Applications (MCA–11/16)

Sixth Semester, Examination, 2017

Time : 3 Hours

Max. Marks : 60

Note : This paper is of **sixty (60)** marks containing **three (03)** sections A, B and C. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section–A

(Long Answer Type Questions)

Note : Section ‘A’ contains four (04) long answer type questions of fifteen (15) marks each. Learners are required to answer *two* (02) questions only.

1. What are the difference between VBScript and JavaScript ? What are the different operators used in JavaScript ? What are the ways in which JavaScript file is used with code ?
2. What are the features of XML ? Write an XML document to store the details of employees. Also design a web page to get the input of employee ID and retrieve the full details from the XML document.
3. What is HTML ? Create a HTML/DHTML/XML document containing tour information. The document should contain details about the operator, destination name, facilities available in the tour and tour fare.

4. What do you mean by Cascading Style Sheet ? Explain its types and utility. Create a CSS style sheet and use it to display the document.

Section-B

(Short Answer Type Questions)

Note : Section 'B' contains eight (08) short answer type questions of five (05) marks each. Learners are required to answer *four* (04) questions only.

1. Define JavaScript arrays. Also mention about looping structure of JavaScript.
2. What is ASP ? Compare and contrast ASP with standard HTML.
3. What do you mean by Built-in-Functions in a JavaScript ? Also discuss user defined function with suitable example(s) for illustration.
4. How will you perform event handling in JavaScript ? Give example.
5. Explain, what do you understand by the following term ?
 - (i) SAX & XOM Parsers
 - (ii) SOAP
6. How will you perform database handling in ASP ? Give example.
7. How will you define variable in VBScript ? What are the different data types of VBScript ?
8. What is World Wide Web (WWW) ? Explain.

Section-C**(Objective Type Questions)**

Note : Section 'C' contains ten (10) objective type questions of one (01) mark each. All the questions of this section are compulsory.

1. Web is a huge collection of _____ of information linked to each other around the globe.
(a) Pages
(b) Websites
(c) HTML
(d) None of the above
2. An ASP file normally contains _____, just like an HTML file.
(a) HTML tags (b) XML tags
(c) JavaScript tag (d) WML tag
3. _____ is a primary protocol used to distribute information on the web.
(a) TCP/IP (b) FTP
(c) HTTP (d) Telnet
4. _____ is a method where ordinary text can be converted into hypertext.
(a) XML (b) HTML
(c) JavaScript (c) HTTP
5. _____ tag is an empty tag, that simply inserts a line break.
(a) BR (b) BREAK
(c) HR (d) P

6. _____ is a collection of formatting styles.
- (a) HTML
 - (b) DHTML
 - (c) JavaScript
 - (d) Stylesheet
7. _____ creates vertical mirror image.
- (a) Flip H
 - (b) Flip V
 - (c) Image V
 - (d) None of the above
8. XML is way of _____.
- (a) marking up data
 - (b) adding metadata
 - (c) Both (a) and (b)
 - (d) None of the above
9. _____ is to read the entire document.
- (a) DOM
 - (b) SAX
 - (c) Both (a) and (b)
 - (d) None of the above
10. _____ is a top level object in the JavaScript hierarchy.
- (a) The window object
 - (b) The document object
 - (c) Button object
 - (d) None of the above