

MCA–21

Advanced Web Technology

Bachelor of Computer Application

(MCA–11/16/17)

Sixth Semester, Examination, 2017

Time : 3 Hours

Max. Marks : 80

Note : This paper is of **eighty (80)** marks containing **three (03)** sections A, B and C. Learners are required to 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 nineteen (19) marks each. Learners are required to answer *two* (02) questions only.

1. Write a code in HTML to create the following table :

A		C	D
E	F	G	H
	J	K	L
M	N	O	P

2. Explain various control and looping structures used in JavaScript.
3. Develop a web page to implement the key events by using the following specifications and conditions :

Control Name	Specifications	Conditions
Labels (Seven)	Having corresponding captions	
Text Box	To represent the name of the students	Should not be null
Five Text Box	To represent the five subject marks	Should not be null
Text box	To represent the total of the subject	
One Command Buttons	For calculating the subject total	

4. Swachh Bharat Club is an organization, which aims at creating an awareness among the people about the ill-effects of pollution. The organization wishes to create a web site, which provides information about all their activities. Write the ASP coding for the home page with the following specifications :
- To display links to other pages. The links Reuse Recycle, Activities, Join Us link to the files Reuse.ASP, Activity.ASP and Join.ASP respectively.
 - To display the number of times the page has been visited.

Section-B

(Short Answer Type Questions)

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

- What do you understand by Scripting Language ? Differentiate between programming language and scripting language.

2. Differentiate between intelligent web site and static web site.
3. What is Hyperlink ? Write the syntax to hyperlink text in HTML.
4. What are unordered, ordered Nested List ? Explain each with example.
5. Write the equivalent script for the following code using DO WHILE loop without affecting the output and also display the output :

```
<SCRIPT LANGUAGE = "VBScript">
```

```
DIM sum
```

```
sum = 0
```

```
FOR a = 1 TO 10 STEP 3
```

```
sum = sum + a*a
```

```
document.write(a)
```

```
NEXT
```

```
document.write(sum)
```

```
</SCRIPT>
```

6. What is the user defined and pre defined functions in JavaScript ? Explain it briefly.
7. Explain the features and tags of XML which are not supported in common HTML.
8. What is an event ? How are events handled in Java Script ?

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. <title>.....</title> tag must be within
(a) Title

- (b) Form
 - (c) Header
 - (d) Body
2. Text with `....` tag is displayed as
- (a) Bold
 - (b) Italic
 - (c) List
 - (d) Indented
3. `.....` ? Tag is used to
- (a) Display the numbered list
 - (b) Underline the text
 - (c) Display the bulleted list
 - (d) Bold the text
4. Which tag is used to display the numbered list ?
- (a) `/OL>`
 - (b) `<DL></DL>`
 - (c) ``
 - (d) ``
5. Which tag is used to display the large font size ?
- (a) `<LARGE></LARGE>`
 - (b) `<BIG></BIG>`
 - (c) `<SIZE></SIZE>`
 - (d) ``

6. Service indicates the name of the used to access data present on the other end of the link.
 - (a) browser
 - (b) protocol
 - (c) site
 - (d) organisation
7. are special code which separate HTML from ordinary text.
 - (a) Frames
 - (b) Tags
 - (c) Frameset
 - (d) None of the above
8. The entire content for the web page is enclosed within tags.
 - (a) <BODY>
 - (b) <head>
 - (c) <text>
 - (d) <html>
9. indicates
 - (a) bold
 - (b) darkening
 - (c) bold italics
 - (d) None of the above
10. <A>..... creates
 - (a) anchors
 - (b) annotated text
 - (c) animated text
 - (d) aligned text

