

BCA Second Semester Examination, May - 2017**(Faculty of Science)****SECOND PAPER****Internet and Web Technologies**

Paper Code : 2621

Time Allowed: Three Hours**Maximum Marks : 70**

No supplementary answer book will be given to any candidate. Hence the candidates should write the answers precisely in the main answer book only.

(Attempt all six questions)

Part I (Question No. 1 & 2) is compulsory & Part II (Question No. 3, 4, 5 & 6) has internal choice.

PART-I

1. Answer any 10 questions. Each question carries 1 mark.

10x1= 10

(Words limit upto 20 words each)

- a) What do you mean by 'Web Client' ?
- b) Write code of different types of unordered list of HTML.
- c) Write importance of HEAD tag in HTML.
- d) How to display information using Java Script code ?
- e) How to define a Java Script functions ?
- f) What is XML ?
- g) What do you understand by Search Engine ?
- h) Give any two advantages of Internet.
- i) How one web document can be connected to another web document through HTML ?
- j) What is the use of Frameset ?
- k) What are the advantages of script languages ?
- l) Write any five tags used in text formatting in HTML ?

2. Attempt all questions. Each question carries 5 marks.

4x5=20

(Word limit upto 50 words each)

- a) Explain the importance of CSS in Dynamic HTML.
- b) What is a Frame in HTML ? Give its advantages and disadvantages.
- c) How array is declared and allocated in 'Java Script' ? Write Java Script code to pass an array to a function.
- d) Discuss event handling in Java Script.

P.T.O

PART-II

UNIT I

3. Write an HTML code to make a simple calculation, which performs basic arithmetic operations. Use Java Script on a button click to perform arithmetic operations and show result. **10**

OR

What is TCP/IP ? Discuss its various services in detail. **10**

UNIT II

4. Explain Dynamic positioning and mouse event in DHTML. **10**

OR

(a) Differentiate between XML and HTML. **5**

(b) Different elements of style sheets. **5**

UNIT III

5. Write a Java Script function to validate the content of a text box, which accepts only ten digit mobile numbers and generates an alert if any characters are input by user. **10**

OR

Explain Control Statements in Java Script with example of each. **10**

UNIT IV

6. Discuss the following objects of DOM in brief : **5x2**

(a) Navigator

(b) Form

OR

Discuss the form validation in Java Script. **10**

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- (2) All the parts of one question should be answered at one place in the answer book. One complete question should not be answered at different places in the answer book.

(Attempt all six questions.)**Part I (Question No. 1 & 2) is compulsory & part II (Question No. 3, 4, 5 & 6) has internal choice.****PART-I****Answer any 10 questions out of the following. Each question carries 1 mark.****10x1= 10**

- a) What do you mean by Internet Domain?
- b) What is Web Server?
- c) What is Frameset?
- d) What is Web Client?
- e) What is Heading Tag?
- f) What do you mean by Link Tag?
- g) What is CSS?
- h) What is DHTML?
- i) What is SGML?
- j) What is Script Language?
- k) Explain ParseInt Function in Java Script?
- l) What does DOM Stand for ?

Answer all the questions. Each question carries 5 marks.**4x5= 20**

- a) What do you mean by TCP/IP?
- b) What is Navigator?
- c) Define advantages of Java Script.
- d) Define advantages of XML.

PART-II

Unit I

3. How do we create forms in HTML? Explain with suitable example.

OR

What do you understand by TCP/IP and its services?

Unit II

4. What is DHTML? Explain features of DHTML?

OR

Write short notes on:-

- a) SGML
- b) XML

Unit III

5. What is Java Script? Explain advantages of Java Script.

OR

Explain the Java Script Array and functions.

Unit IV

6. What is objects of DOM for DHTML?

OR

Explain event handling and validation in Java Script.
