

JK LAKSHMIPAT UNIVERSITY, JAIPUR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination (Improvement), November 2018

B. Tech in Computer Science & Engineering, Semester V

Roll No.....

Web Technologies : CSE505

Time: 3 hours

Max. Marks: 100

Instructions to students:

1. Do not write anything other than your roll number on question paper.
 2. Assume suitable data wherever required and mention it clearly.
 3. Writing appropriate units, nomenclature, and drawing neat sketches/schematics/ flow chart wherever, required are an integral part of the answer.
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Q.1A Objective type multiple choice questions (10 questions @ 1 mark)

10

- i. JavaScript is _____ Side Scripting Language.
A Server
B ISP
C None of These
D Browser
- ii. JavaScript is designed for following purpose -
A To Style HTML Pages
B To add interactivity to HTML Pages.
C To Perform Server Side Scripting Operation
D To Execute Query Related to DB on Server
- iii. Why JavaScript is called as Lightweight Programming Language ?
A because JS is available free of cost.
B because JS is client side scripting
C because we can add programming functionality inside JS
D because JS can provide programming functionality inside but up to certain extend.
- iv. Which of the following describes e-commerce?
A Doing business electronically
B Doing business
C Sale of goods
D All of the above
- v. Which type deals with auction?
A B2B
B B2C
C C2B
D C2C
- vi. Dynamic web page
A is same every time whenever it displays
B generates on demand by a program or a request from browser
C both (a) and (b)
D none of the mentioned

- vii. An alternative of javascript on windows platform is
 - A VBScript
 - B ASP.NET
 - C JSP
 - D None of the mentioned
- viii. What is document object model (DOM)?
 - A convention for representing and interacting with objects in html documents
 - B application programming interface
 - C hierarchy of objects in ASP.NET
 - D none of the mentioned
- ix. Which of the following tag is used to mark a beginning of paragraph ?
 - A <TD>
 - B

 - C <P>
 - D <TR>
- x. Which of the following statements are true?
 - A HTTP runs over TCP
 - B HTTP allows information to be stored in a URL
 - C HTTP can be used to test the validity of a hypertext link
 - D All of the above

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| Q.2 | Short answer type questions (4 questions @ 2.5 marks) | 10 |
| A. | Define importance of CSS | |
| B. | Differentiate between Web Browser and Web Server | |
| C. | Discuss utility of XML | |
| D. | Differentiate between rowspan and colspan | |
| Q.3A | Elaborate the concept of Client and Server in network architecture by considering the user agents, MTAs, and MAAs. | 05 |
| Q.3B | Describe DOM in XML. Implement a script using the Document Object Model. | 05 |
| Q.4 | Write an XML file which displays the book details that includes the following: 1) Title of book 2) Author name 3) Edition 4) Price Write a DTD to validate the above XML file and display the details in a table. | 10 |
| Q.5 | Design a form in HTML by making use of radio button, check button, ordered & unordered list, and drop-down menu. | 10 |
| Q.6 | Use frames such that page is divided into 2 frames 20% on left to show contents of pages, 80% on right to show the hyperlink images/websites. | 10 |
| Q.7 | Describe Business -to- Customer models in detail along with example and diagram. What special parameters are required to put into consideration during web development pertaining to B2C model? | 10 |
| Q.8 | Create a web page using HTML to describe about CSE Department. Apply CSS(Cascade Style Sheet) to change a certain portion, Bold, Italic and underline certain words in your HTML web page. | 10 |
| Q.9 | Write a PHP Script to validate username and password in login page. Design a Biodata page whose content can be changed using JavaScript like events. | 20 |