

Roll No. [Total No. of Pages : 4

CS-3403(N)

B. Tech. (Computer Sc. & Engg.)

(Fifth Semester)

EXAMINATION, 2020

WEB TECHNOLOGY

Time : Three Hours

Maximum Marks : 100

Note : Attempt questions from both Sections as directed.

Section—A

(Short Answer Type Questions)

Note : Attempt any *ten* questions. Each question carries 4 marks. $10 \times 4 = 40$

1. What do you mean by CSS (Cascade style sheet) in html ? Give suitable example.
2. What are the differences between TCP/IP and UDP protocol ?
3. Explain different types of cyber crimes.

4. Briefly explain early planning and content planning.

5. Write a JavaScript program to define a user defined function for sorting the values in an array.

6. Write the purpose of class selector in CSS.

7. How would you create radio button and text field in HTML ?

8. Write a java script code of block to print the prime number between given range.

9. Write a JSP program to check weather an alphabet is a vowel or not.

10. Write the differences between XML and HTML.

11. What do you mean by JSP sessions ?

12. What is the importance of web servers ?

Explain.

13. Explain script lets and directives in brief.

14. What is the differences between doGet() and doPost() ?

Section-B

(Long Answer Type Questions)

Note: Attempt any three questions. Each question carries 20 marks. (20x3=60)

1. Explain XML and parsing in XML. Also mention the applications of XML. What are the major difference between XML and HTML?
2. What do you mean by web team? What are the types of web team and what are the assessments of web team? Discuss the impact of technological advances on a web team.
3. Explain Java script. What are advantages and disadvantages of java script? Write a Java script program for finding given year is leap year or not.
4. Explain server side programming in detail. Explain the advantages of using servlet. Differentiate between applet and servlet.

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obtained in 5 subjects, total marks and percentage. Save this XML document at the server, write a program that accepts student's roll number as input and returns the students marks, total percentage by taking student information for XML document.

4. Explain the lifecycle of a JSP page with a suitable diagram. 'What are exceptions and how they are handled in JSP ? Explain with an example. How we define a try and catch block ?
5. What is JDBC ? Write down the necessary steps for writing a JDBC program. Write a JDBC and JSP Program for insert and display the record of employees.
6. Write short notes on the following :
 - (a) DOM Parser
 - (b) Struts Framework
 - (c) Web Team
 - (d) Meta and Div tag

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15. Write different classes used to connect a JDBC program.

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Section—B

(Long Answer Type Questions)

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Note : Attempt any *three* questions. Each question carries 20 marks. $3 \times 20 = 60$

1. Explain the concept of effective web design. Create an html page named as 'cse.html' to display your class time table :

ies.

(i) Provide the title as Time Table.

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(ii) Provide various color options to the cells (Highlight the lab hours and elective hours with different colors.)

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2. What do you mean by servlet and what are the characteristics of servlets ? Explain servlet life cycle and methods. Write a servlet program for login form.

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3. What is XML ? Create a XML document of 10 students of CSE. Add their roll numbers, marks

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CS-701/4401

B.Tech. [CS] (Semester-VII) Exam.-2017
Web Technology

Time: Three Hours

Maximum Marks: 100

Note: Attempt questions from all the sections.

Section-A

(Short Answer Type Questions)

Note: Attempt any ten questions. Each question carries 4 marks. (4x10=40)

1. What is Web? Explain.
2. Explain web development strategies.
3. Explain cyber law, name of some Indian and international cyber laws.
4. What do you mean by Web Page and effective web page title?
5. How will you create hyperlinks in web document? Give example.

6. Explain the term testing with example in connection with web development.
7. What are color and background properties in CSS? Explain.
8. How many pop-up windows used in Java script? Explain with example.
9. Explain different ways of creating style sheet.
10. Create a HTML page with checkbox, input box, and radio button and pull down menus.
11. What is a message driven bean?
12. What is BDK? Explain the role of BDK in Java bean development.
13. Explain the packages used in servlet programming.
14. Write a Java servlet program for multiply two numbers.
15. Write a JSP program to print table of nine.

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4. What is servlet? Explain with necessary illustration the life cycle of servlet. Write a servlet program that display the fibonacci series in specific number of terms that has been submitted through a form. (13)

5. (a) What is JDBC? Explain the JDBC architecture.

(b) Write a JSP program for accessing the database and displaying all the records from the database.

6. Write short notes on:

- (i) Struts framework (3)
- (ii) Session management (2)
- (iii) Popup boxes in Java script (3)
- (iv) Error handling in JSP (3)

Examination-2013

Web Technology

Time: Three Hours

Maximum Marks: 100

Note: Attempt questions from all the sections.

Section-A

(Short Answer Type Questions)

Note: Attempt any ten questions. Each question carries 4 marks. (4 x 10 = 40)

1. Explain web team. What are the different team members handled to write down a web project?

2. Explain individual and corporate world websites in detail.

3. Discuss the most basic elements of good site design including navigation considerations.

4. What do you mean by cybercrime? How the cyber laws are effective in cybercrime?

1. Explain features of JSP.
2. Explain Cyber Law.
3. What do you understand by naming rules?
4. Write down protocols used in web.
5. Can administrate my MYSQL database via web? Justify your answer.
6. Differentiate between HTML & XML.
7. What is servlet? Give its architecture.
8. What do you mean by struts?
9. Explain JDBC-ODBC Bridge.
10. Explain JSP Life Cycle.
11. What are the wrapper classes & their uses?
12. Differentiate DOM & SAX. (122)

Section - C

Note: Attempt any two questions. Each question carries twenty marks. (20x2=40)

Section -B

Note: Attempt any three questions. Each question carries twenty marks. (20x3=60)

1. What are the different types of JDBC drivers? Which type of driver is the best for use?
2. Explain different steps to connect the application to the database.
3. (a) Differentiate between Get & Post HTTP request.
(b) WAP to display date and time in JSP.
4. Write a program for error handling and debugging in JSP.
5. (a) What do you mean by container managed persistence?
(b) Define message-driver Bean
6. (a) What are Java Script dialog boxes?
(b) Create a catalog for an on-line shopping company that sells music records using style sheets.

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5. Explain JSP. What are implicit objects available to JSP page? How does a JSP handles exception explain it with an example?

~~6.~~ Write short note on:

- ~~(a)~~ EJB
- ~~(b)~~ Types of JDBC Drivers
- ~~(c)~~ JSP Expression
- ~~(d)~~ XML Processors

- ① 5. ✓ What do you mean by webpage and website? Make a HTML webpage for your course.
6. What is a static website? Make a static webpage form for employee of any organization.
- ① 7. ✓ Explain external level style sheet with some suitable example.
8. Explain Java bean and it's advantages, write a simple Java bean program.
9. What are the difference between servlet and applets?
10. What is the role of JSDK in development of servlet programs?
- ② 11. ✓ What do you mean by page directive and include directive? Also explain the purpose of these directives.
- ① 12. ✓ Explain servlet API and servlet package.
- ③ 13. ✓ Explain different type of JDBC driver in Java.

- ① 14. What are HTTP Get and POST request? Give an example.
15. Write short notes on EJB.

Section-B

(Long Answer Type Questions)

Note: Attempt any three questions. Each question carries 20 marks. (20x3=60)

- ✓ 1. (a) Explain the various tags used to create HTML form with suitable example.
- (b) Explain Java script and it's applications. Write a Java script program to display current date and time in proper formate.
2. (a) Explain difference between XML and HTML. What are the role of DOM and SAX in XML?
- (b) What is DHTML? Discuss the advantages and disadvantages of using style sheets.
3. Explain JSP architecture in detail. What are implicit JSP objects? Write JSP code for passing control between two JSP pages. What is the importance of web server in JSP?

**B. Tech. End Semester (Semester-VII)
Examination- 2012**

**(Computer Engineering)
Introduction to Web Technology**

*Time: Three Hours
Maximum Marks: 100*

Note: Attempt questions from all the sections.

Section -A

Note: Attempt any ten questions. Each question carries four marks. (4x10=40)

1. What is Web? Briefly explain the history of web.
2. What are basic FTP parameters?
3. How are the databases connected to the web applications?
4. Write a program to create frames using percentage.
5. What is the difference between ID and class selectors?

6. What are naming rules in XML?
7. How you can change image using Java Script?
8. Write short note on-
 - (a) Persistence
 - (b) Introspection
9. ✓ Differentiate between Java Beans and EJB.
10. ✓ Define life cycle of JSP.
11. Explain the directives, declarations and script lets in brief.
12. ✓ Briefly describe request, response and session objects.
13. ✓ Is the JDBC-ODBC Bridge multi-threaded?
14. ✓ How do I create a database connection?
15. What are the features of JDBC API?

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End Semester (S.B.P.) Examination - 2011
B. Tech. (Computer Engineering) (Sem. VII)
Introduction to Web Technology

Time: Three Hours
Maximum Marks: 100

Note: Attempt questions from all the sections.

Section-A

Note: Attempt all questions. Each question carries two marks.
(2x10=20)

1. All the components which are visible in web site are _____.
2. What does the letter 'Cols' stands for _____.
3. _____ is a collection of formatting styles.
4. Predefined tags start with jsp _____ characters.
5. To be servlet a class should have extend _____.
6. Expand CCl.
7. Expand Asp.
8. Expand EJB.

9. Expand DHTML.
10. Expand XML.
11. Define CSS.
12. Define selector.
13. Define UDP.
14. Define server.
15. Define SAX.
16. XML is the way of marketing up data & adding metadata. (T/F)
17. EJB can run in any application server. (T/F)
18. A socket is not a end point of communication. (T/F)
19. WWE is stands for World Wide Web. (T/F)
20. Server are not run on remote machine. (T/F)

Section – B

Note: Attempt any eight questions. Each question carries 5 marks. (5x8=40)

1. What is EJB? How does it differ with JAVA BEANS? Write down steps to design & JAVA BEANS API.
2. Write short notes on the followings:
 - (i) CSS (27)
 - (ii) BDK (157)
 - (iii) COM (383)
 - (iv) ASP (382)
3. Define web team, assessment of web team & also give comparison to web project to traditional project. 6
4. What is JDBC? Write down the features of JDBC & Explain JDBC drivers.