

**NRT/KS/19/2235**

**Bachelor of Computer Application (B.C.A.) Semester-IV Examination**  
**WEB TECHNOLOGY—II**  
**Paper—V**

Time : Three Hours]

[Maximum Marks : 50

- N.B. :—** (1) All questions are compulsory and carry equal marks.  
(2) Draw neat and well labelled diagrams wherever necessary.

**EITHER**

1. (A) Explain JSP lifecycles in detail. 5  
(B) Explain Date object and Math object used in JSP. 5

**OR**

- (C) Write a program to insert an image in JSP. 5  
(D) Explain string object in Javascript. Also explain any two functions of it. 5

**EITHER**

2. (A) What is exception ? Write a program for exception handling in JSP. 5  
(B) Explain Custom Tag Library in JSP with example. 5

**OR**

- (C) What is Scriptlet ? Explain scriptlet tag in detail. 5  
(D) Explain JSP object scope in detail. 5

**EITHER**

3. (A) Write a program to sort 10 elements by using VB Script. 5  
(B) Explain subroutines and functions in VB Script. 5

**OR**

- (C) Write a program in VB Script to find largest among three numbers. 5  
(D) Write a procedure to publish website to WPP host server. 5

**EITHER**

4. (A) Explain Simple Object Access Protocol (SOAP) web services in detail. 5  
(B) Explain WSDL structure along with its elements. 5

**OR**

- (C) Differentiate between SOAP and REST. 5  
(D) Explain REpresentation State Transfer (REST) based Web Services. 5

5. (A) Explain navigator object in Java Script. 2½  
(B) Explain any two standard JSP actions. 2½  
(C) What are datatypes used in VB Script ? 2½  
(D) Explain Resource Orientation in Web Services. 2½

**Bachelor of Computer Application (B.C.A.) Semester–IV (C.B.S.) Examination****WEB TECHNOLOGY–II****Paper—V**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—** (1) **All** questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagram wherever necessary.

**EITHER**

1. (A) Explain the life cycle of JSP in detail. 5  
 (B) Explain different loops used in JSP with proper syntax and example. 5

**OR**

- (C) Write a program to insert an image in JSP. 5  
 (D) Explain screen object and navigator object. 5

**EITHER**

2. (A) Explain the scopes of JSP objects. 5  
 (B) What is exception ? Write a program for exception handling in JSP. 5

**OR**

- (C) Explain how is security provided in Java Script. 5  
 (D) What is Scriptlet ? Explain scriptlet tag in detail. 5

**EITHER**

3. (A) Write a program to sort 10 elements by using VB script. 5  
 (B) Write a procedure to publish web site to WPP host server. 5

**OR**

- (C) Explain for .. next loop and do until with proper syntax and example using VB Script. 5  
 (D) Write a program in VB Script using select case to display name of month corresponding to the entered month as number. 5

**EITHER**

4. (A) Explain simple object Access Protocol Web Services in detail. 5  
 (B) Differentiate between simple object Access Protocol and representation state transfer. 5

**OR**

- (C) Explain representation state transfer based web services. 5  
 (D) Explain structure of SOAP messages. 5

5. Attempt **all** :

- (A) Explain different math objects in Java Script. 2½  
 (B) Explain expression language. 2½  
 (C) What are datatypes used in VB Script ? 2½  
 (D) Explain use of use cases in software testing. 2½

**TKN/KS/16/5979**

**Bachelor of Computer Application (B.C.A.)**

**(Semester—IV) (C.B.S.) Examination**

**WEB TECHNOLOGY—II**

**Paper—V**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—**(1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagrams wherever necessary.

**EITHER**

1. (a) Explain various methods and properties of Document object in Javascript with example. 5
- (b) What are different loops used in Javascript ? Explain any two loops with example. 5

**OR**

- (c) Explain string object in Javascript. Also explain any two functions in it. 5
- (d) How does window object work in Javascript ? Explain. 5

**EITHER**

2. (a) Explain Custom Tag Library in JSP with example. 5

- (b) Write note on elements in JSP pages. 5

**OR**

- (c) Explain JSP Life cycle along with example. 5

- (d) Explain JSP object scope in detail. 5

**EITHER**

3. (a) Explain subroutine and functions in VBScript. 5

- (b) Write a program in VBScript to find largest among three numbers. 5

**OR**

- (c) How would you add VBScript code to HTML ? Explain. 5

- (d) Write a note on checking site with site reports in VBScript. 5

**EITHER**

4. (a) Explain WSDL structure along with its elements. 5

- (b) Explain REST based web service with an example. 5

**OR**

- (c) Explain web service scenario with suitable diagram. 5

- (d) Write a note on SOAP based web services. 5

5. Attempt **ALL** questions :

- (a) Explain any two properties of Navigator object with example. 2½

- (b) Explain any two standard JSP actions. 2½

- (c) How arrays works in VBScript ? Explain. 2½

- (d) Draw and explain structure of SOAP message. 2½

**Bachelor of Computer Application (B.C.A.) Semester—IV (C.B.S.) Examination**

**WEB TECHNOLOGY-II**

**Paper-V**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—** (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagram wherever necessary.

**EITHER**

- |        |  |   |
|--------|--|---|
| 1. (a) | Explain string object in Javascript. Also explain any two functions in it. | 5 |
| (b)    | Explain elements in JSP pages.   | 5 |

**OR**

- |     |   |   |
|-----|---|---|
| (c) | What are loops in Javascript ? Explain any two loops. | 5 |
| (d) | Explain JSP Life Cycle in detail.                     | 5 |

**EITHER**

- |        |   |   |
|--------|---|---|
| 2. (a) | Explain JSP exceptions.                         | 5 |
| (b)    | Explain custom tag library in JSP with example. | 5 |

**OR**

- |     |                                      |   |
|-----|--------------------------------------|---|
| (c) | Explain any two tags used in JSP.    | 5 |
| (d) | Write a note on Javascript security. | 5 |

**EITHER**

- |        |   |   |
|--------|---|---|
| 3. (a) | How would you add VB Script code to HTML ? Explain. | 5 |
| (b)    | Explain how one can manage reports of websites.     | 5 |

**OR**

- |     |   |   |
|-----|---|---|
| (c) | Write a program in VB Script to find largest among two numbers. | 5 |
| (d) | Explain any two datatypes used in VB Script.                    | 5 |

**EITHER**

- |        |  |   |
|--------|--|---|
| 4. (a) | Explain structure of SOAP in detail.     | 5 |
| (b)    | Write a note on SOAP based web services. | 5 |

**OR**

- |     |  |   |
|-----|--|---|
| (c) | Explain WSDL structure along with its element. | 5 |
| (d) | Differentiate between SOAP and REST.           | 5 |

5. Attempt **ALL** :

- |     |   |    |
|-----|---|----|
| (a) | Explain screen object in JSP.               | 2½ |
| (b) | Explain any two standard JSP action.        | 2½ |
| (c) | Explain use of array in VB Script.          | 2½ |
| (d) | Draw and explain structure of SOAP message. | 2½ |

**Bachelor of Computer Application (B.C.A.) Semester—IV (C.B.S.) Examination****WEB TECHNOLOGY—II****Paper—V**

Time : Three Hours]

[Maximum Marks : 50

**Note** :— (1) **All** questions are compulsory and carry equal marks.

(2) Draw neat labelled diagrams wherever necessary.

**EITHER**

1. (A) Explain JSP life cycles in detail. 5
- (B) Write short notes on :
- (i) String object
- (ii) Window event. 5

**OR**

- (C) Explain images and animation in detail. 5
- (D) Explain elements in JSP pages. 5

**EITHER**

2. (A) Explain different tags used in JSP. 5
- (B) What is Java Script ? How security is provided in Java Script ? 5

**OR**

- (C) Explain JSP exceptions. 5
- (D) Explain JSP standard tag library. 5

**EITHER**

3. (A) Explain different data types used in VB Script. 5
- (B) Explain following looping with syntax and suitable example :
- (i) For .... next loop
- (ii) Do until. 5

**OR**

- (C) Give the procedure to publish website to a WPP host server. 5
- (D) Explain how one can manage reports of websites. 5

**EITHER**

4. (A) What is web service ? Explain different standards used for web services. 5
- (B) Explain different SOAP based web services. 5

**OR**

- (C) Explain structure of SOAP in detail. 5
- (D) Differentiate between SOAP and REST. 5
5. (A) Explain screen object in JSP. 2½
- (B) Explain JSP object scopes in detail. 2½
- (C) Explain use of array in VB Script. 2½
- (D) Explain Resource orientation in web services. 2½

**Bachelor of Computer Application (B.C.A.) Semester-IV (CBS) Examination****WEB TECHNOLOGY-II****Paper—V**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :**— (1) All the questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagram wherever necessary.

**EITHER**

1. (A) What is JSP ? Explain all elements in JSP pages. 5  
 (B) Write a javascript code to print all prime numbers between 1 to 20. 5

**OR**

- (C) What is string ? Explain any two methods of string object with suitable example. 5  
 (D) Discuss any five form events in Javascript. 5

**EITHER**

2. (A) Explain page directive of JSP with all its attributes. 5  
 (B) What is Exception ? How exception is handled in JSP ? Explain. 5

**OR**

- (C) Explain the different JSP tags with examples. 5  
 (D) Write a note on JSP standard Tag library. 5

**EITHER**

3. (A) Explain the different data types supported by VB Script. 5  
 (B) Explain creating and calling a subroutine in VB Script. 5

**OR**

- (C) Write a program in VB Script to find the largest element in an array. 5  
 (D) How will you add VB Script code to HTML ? Explain. 5

**EITHER**

4. (A) Write a note on use cases. 5  
 (B) Explain structure of SOAP messages. 5

**OR**

- (C) Explain WSDL structure along with its elements. 5  
 (D) Explain REST based web services with an example. 5

5. Attempt all :

- (A) Explain any two methods of math object with an example. 2½  
 (B) Discuss JSP object scope. 2½  
 (C) Differentiate between function and subroutines in VB Script. 2½  
 (D) Write a note on resource orientation. 2½



**Bachelor of Computer Application (B.C.A) Semester–IV Examination**  
**WEB TECHNOLOGY–II**  
**Paper–V**

Time : Three Hours]

[Maximum Marks : 50

- Note :—** (1) All questions are compulsory and carry equal marks.  
 (2) Draw neat and labelled diagrams wherever necessary.

**EITHER**

1. (a) What is JSP lifecycle? Explain. 5  
 (b) Explain :  
 (1) Math object  
 (2) Date object. 5

**OR**

- (c) Explain the various loops available in Java Script with example. 5  
 (d) Explain the various elements in JSP pages. 5

**EITHER**

2. (a) Explain in detail the expression tag in JSP with example. 5  
 (b) What are the Directives used in JSP? 5

**OR**

- (c) What is Implicit JSP objects? Explain in detail. 5  
 (d) Explain the object scopes in JSP. 5

**EITHER**

3. (a) Explain the various types of arrays in VB script. 5  
 (b) Explain following with example  
 (1) If.....then.....else  
 (2) For.....next.....loop. 5

**OR**

- (c) Explain the procedure for publishing a web site to a WPP host server. 5  
 (d) Elaborate the concept of subroutines and functions in VB script. 5

**EITHER**

4. (a) Explain the various SOAP based web services. 5  
 (b) List the various programming models used in web services. Explain any one. 5

**OR**

- (c) Explain the various REST based web-services. 5  
 (d) Give principles of REST. How resources are oriented in it? 5

5. Attempt all :

- (a) Explain the concept of images and animation. 2½  
 (b) What is JSP standard tag library? 2½  
 (c) Give various data types used in VB script with example. 2½  
 (d) What is WSDL? Explain. 2½