

**R13****Code No: 814BC****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, January - 2018****WEB TECHNOLOGIES****Time: 3 Hours****Max. Marks: 60****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A**5 × 4 Marks = 20**

- 1.a) How to define a constant variable in PHP? Give an example. [4]
- b) Derive naming rules in XML. [4]
- c) What does Servlet config interface do? [4]
- d) Define JSP. Mention its use. [4]
- e) How does one access cookie in a java script? [4]

PART - B**5 × 8 Marks = 40**

2. Write a PHP script for uploading a file to the server and display the uploaded files details.[8]

OR

- 3.a) List and explain the control structures used in PHP. [8]
- b) Explain different operators used in PHP.
- 4.a) Give the difference between SAX & DOM parsers? [4+4]
- b) Explain the valid and well formedness of XML document.

OR

- 5.a) What is XML? Explain its basic structure elements. [4+4]
- b) Write a XML program to illustrate XSLT.

- 6.a) What is servlet, discuss about advantages of Servlets over CGI. [4+4]
- b) Explain HTTP Servlet response and HTTP Servlet request.

OR

- 7.a) Explain about class Cookie and HTTP Servlet. [4+4]
- b) Write about Servlet parameters and Initialization of parameters.

- 8.a) Is it possible for one JSP to extend another java class? If yes how? [4+4]
- b) Explain about lifecycle of JSP.

OR

- 9.a) Explain different types of scripting elements in JSP [4+4]
- b) What is Bean? Discuss how to create beans in JSP.

10. Define client side programming. Explain briefly about AJAX. [8]

OR

- 11.a) Explain various operators and data types available in java script. [4+4]
- b) Explain about object, methods and events in Java Scripts.

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