

**R13****Code No: 814BC****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, December - 2019****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) Describe the control structures are used in PHP. [4]
- b) Give XML schema for your department data. [4]
- c) How to deploy a servlet on to a server? [4]
- d) List various implicit JSP objects. [4]
- e) What is meant by client side scripting? What are the alternatives for client side scripting? [4]

**PART - B****5 × 8 Marks = 40**

2. Give PHP code to retrieve student results against hall ticket number from database. Assume suitable table schema for data. [8]

**OR**

3. Demonstrate file uploading through a user interface created using PHP. [8]
4. What is the motivation behind XML design and development? List the situations where XML tradeoffs other markup languages. [8]

**OR**

5. What is meant by document object model? Explain XML document parsing using document object model. [8]
6. What are the different types of request a servlet can process? Discuss the relevant built-in functions of servlet class. [8]

**OR**

7. Write servlet code to process the database data, display customer name and address for a given customer. [8]
8. With suitable code describe anatomy of java server page. [8]

**OR**

9. What is a bean? What is its significance? Write JSP to explain Java bean usage in web application. [8]
10. Write Java script to perform validation of student registration for a technical event at your college. [8]

**OR**

11. How are events handled in Java script? Implement 'on submit' event handling. [8]