

Code No: 873AB**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA III Semester Examinations, March/April - 2023
WEB TECHNOLOGIES****Time: 3 Hours****Max.Marks:75****Note:** i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) Discuss about the data types supported in PHP. [5]
- b) What is XML schema? State its purpose and its advantages over DTD? [5]
- c) What is servlet? Explain. [5]
- d) Explain the components of a JSP page. [5]
- e) Explain the features of Java script. [5]

PART – B**(50 Marks)**

- 2.a) Explain the control structures used in PHP.
 - b) Explain database connectivity in PHP with reference to MYSQL. [5+5]
- OR**
3. Describe the various file handling operations in PHP. [10]
 4. Create a simple HTML page which demonstrates the use of the various types of lists. Try adding a definition list which uses an unordered list to define terms. [10]
- OR**
- 5.a) What is Document Object Model (DOM)? Explain the DOM levels.
 - b) Explain the SAX Parsers in Java. [5+5]
 - 6.a) Explain the servlet API.
 - b) Explain the reading of servlet and initialization parameters in servlets. [5+5]
- OR**
- 7.a) Show how HTTP request and responses are handled with respect to web server.
 - b) With respect to servlets, explain cookies and sessions. [5+5]
 - 8.a) Explain the anatomy of a JSP page.
 - b) Explain the declarations and directives in JSP. [5+5]
- OR**
- 9.a) Explain the creation and usage of Beans in JSP page.
 - b) Discuss how cookies are used for session tracking in JSP. [5+5]
 - 10.a) With respect to Java script, explain the control structures.
 - b) Explain scope of variables in java Script. [5+5]
- OR**
- 11.a) Describe Java Script form validation.
 - b) Explain the event handlers in Java Script. [5+5]