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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA IV Semester Examinations, June/July - 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) What is the importance of cookies in web applications?   [4]
 b) What are the merits of XHTML over HTML?   [4]
 c) What is the need of common gateway interface? List problems associated with it. [4]
 d) Compare and contrast servlet with Java server page.   [4]
 e) Is Javascript a strongly typed language? Justify your answer.   [4]

PART - B

5×8 **Marks = 40**

2.   Give PHP code to read customer ID, Month and Year and display the mobile bill of that customer fetching the data from the database. Assume suitable table schema for data.[8]
OR
3.   Differentiate between text and binary files, discuss PHP built-in functions for file handling.   [8]

4.   Construct XML schema and DTDs to store university admission data.   [8]
OR
5.   Demonstrate parsing of XML document using SAX parser.   [8]

6.   With suitable code describe servlet life cycle.   [8]
OR
7.   Write servlet code to implement servlet parameter passing and explain its execution.[8]

8.   What are the various directives used in java server pages? Discuss briefly each one of them with suitable examples.   [8]
OR
9.   How to track a session in session management through java server pages? Explain with illustrations.   [8]

10.   Write java script to perform validation of user registration form. Phone number should have exactly 10 digits, Name should not have numbers so on.   [8]
OR
11.   What is AJAX? Explain applications for AJAX and compare them with Java applications. [8]