

Total No. of Questions : 8]

SEAT No. :

**PD-5278**

[Total No. of Pages : 2

**[6403]-51**  
**T.E. (AI&DS)**  
**WEB TECHNOLOGY**  
**(2019 Pattern) (Semester - V) (310252)**

*Time : 2½ Hours]*

*[Max. Marks : 70*

*Instructions to the candidates :*

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.
- 2) Figures to the right indicate full marks.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Assume suitable data, if necessary.

- Q1)** a) Explain the XML, DTD, XSL with suitable examples. [6]  
b) Explain Session Management in Servlet. [6]  
c) What is AJAX. Explain with suitable example. [6]

OR

- Q2)** a) Differentiate between Generic servlet and HTTP Servlet. Write code snippet for Generic Servlet to display Hello World. [6]  
b) Write servlet code to fetch data from MySQL database. [6]  
c) What are DTDs? Explain internal DTD with example? [6]

- Q3)** a) Write a note on SOAP and WSDL. [9]  
b) Explain the architecture of struts. [8]

OR

- Q4)** a) Create a JSP page to search a student details from database by studentid. (Assume suitable table structure). [9]  
b) Write advantages of JSP over Servlets? Also explain life cycle of a JSP. [8]

*P.T.O.*

- Q5)** a) Write the PHP code for fetching the data from a database to a webpage? [6]  
b) Explain all possible types of scope of variable in PHP. [6]  
c) What is .NET Framework? Explain Architecture. [6]

OR

- Q6)** a) Write a note on WAP and WML. [6]  
b) Write a program in PHP to calculate Square Root of a number? [6]  
c) What is Node.js? What are the features of Node.js [6]

- Q7)** a) What is EJB. Explain Types of Enterprise Java Bean. [9]  
b) How code blocks are used in Ruby? Explain with appropriate code snippet. [8]

OR

- Q8)** a) Explain array in Ruby with example [9]  
b) Explain classes and objects in Ruby with appropriate examples. [8]