

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]