

Total No. of Questions : 8]

P7552

SEAT No. :

[Total No. of Pages : 2

[6180]-62

T.E. (AI& DS)

WEB TECHNOLOGY

(2019 Pattern) (Semester - I) (310252)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q.No.1 or Q.No. 2, Q.No.3 or Q.No.4, Q.No.5 or Q.6, Q.No.7 or Q.No.8.
- 2) Neat diagram must be drawn wherever necessary.
- 3) Figure to the right indicates full marks.
- 4) Assume suitable data, if necessary.

**Q1)** a) Explain the Servlet lifecycle and session management in servlets. [10]

b) Explain the concept of XML. Explain DTDs with example to use DTD in XML file. [8]

OR

**Q2)** a) Write the Servlet code for connecting MySQL with servlets. Explain servlet concurrency. [8]

b) Write note on following:  
i) AJAX  
ii) DTD Vs XML Schema (Min. 05) [10]

**Q3)** a) Explain the syntax of JSP with example and differentiate it with Servlet. Also explain the support of JSP for MVC. [10]

b) What are web services? Explain the concept of WSDL. [7]

OR

**Q4)** a) Explain the JavaBeans classes in JSP with example. [9]

b) Write note on struts. [8]

- Q5)** a) Explain arrays and functions in PHP with example. [10]  
b) Explain .NET framework with CLI and CLR. [8]

OR

- Q6)** a) Explain the PHP and MySQL connectivity steps with example. Explain the PHP function with example for executing MySQL DML statements. [10]

- b) Write note on node JS. [8]

- Q7)** a) Explain the classes and arrays in Ruby. [8]  
b) Give overview of Rails and documents requests. Explain Rails with AJAX. [9]

OR

- Q8)** a) Write note on:  
i) Code blocks and iterators in Ruby.  
ii) Pattern machine in Ruby.  
iii) Processing forms in Rails.  
b) Explain the concept of EJB. [5]