[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: **[12]**

i) Code blocks and iterators in Ruby.

ii) Pattern machine in Ruby.

iii) Processing forms in Rails.

b) Explain the concept of EJB. **[5]**

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