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T.E. (Computer Engg)
WEB TECHNOLOGY
(2019 Pattern) (Semester - II) (310252)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates :

     1)   *Answer Q. 1 or Q. 2, Q. 3or Q. 4, Q. 5 or Q. 6, Q. 7 or Q. 8*

     2)   *Neat diagrams must be drawn wherever necessary*

     3)   *Figures to the right indicate full marks*

     4)   *Assume suitable data, if necessary*

Q1) a)   Explain the Servlet architecture with diagram and explain servlet lifecycle. **[9]**

     b)   Explain the concept of DTDs with example. Differentiate DTD Vs XML Schema (Min 4). **[9]**

OR

Q2) a)   Explain the Servlet and MySQL database connectivity with example code to display data from employee(emp_id, emp_name, emp_dept) table.**[9]**

     b)   Write note on: **[9]**

       i)   AJAX

       ii)   XML

Q3) a)   Explain the concept of JSP with syntax and sample example. Explain the analogy of JSP and Servlets. **[9]**

     b)   Explain the concept of WSDL and SOAP. **[8]**

OR

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Q4) a) Explain JSP with support for Model View Controller. **[9]**

 b) Explain the concept of struts with architecture, actions, interceptors and exception handling. **[8]**

Q5) a) Explain different types of arrays in PHP with example **[9]**

 b) Write note on: **[9]**
   i) ASP.NET
   ii) NodeJS

OR

Q6) a) Write php code to connect MYSQL database to display records from the table **[9]**

 b) Explain the concepts of WAP, WML and .NET framework. **[9]**

Q7) a) Explain scalar types, operations and pattern matching in Ruby. **[9]**

 b) Explain documents requests and processing forms in Rails. **[8]**

OR

Q8) a) Explain the concept of classes and arrays in Ruby. **[9]**

 b) Explain concepts of Rails with AJAX and EJB. **[8]**

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