P2310

[5870]-1134

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

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *Solve Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right side indicate full marks.*

Q1) a) What is difference between server side scripting language and client side scripting language. **[5]**

b) Describe servlet architecture in detail. **[4]**

c) Explain DTD in XML with schemes, elements & attributes. **[9]**

OR

Q2) a) What is session? How cookies & URL rewriting for session management in servlet. **[9]**

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

i) AJAX

ii) XML transformation

Q3) a) Explain life cycle of JSP. Write advantages of JSP over servlet. **[9]**

b) Write a short notes on : **[8]**

i) SOAP

ii) WSDL

OR

Q4) a) Explain streets framework with its components. Also explain interceptors. **[9]**

b) Explain JSP support for MVC i.e. model, view controller for developing web application. **[8]**

P.T.O.

Q5) a) Identify and explain steps involved in connecting to mySQL with PHP. **[9]**

b) Write short notes on : **[9]**
   i) Overview of ASP. NET
   ii) Overview of C#

<div align="center">OR</div>

Q6) a) Explain in detail WAP Architecture & WML. **[9]**

b) Explain functions in PHP with example & session management. **[9]**

Q7) a) Explain classes and objects in Ruby with appropriate examples. **[9]**

b) Introduce the concept of Rails application. Describe layouts & stylesheet in Rail. **[8]**

<div align="center">OR</div>

Q8) a) Explain the scalar types & their operations in Ruby. **[8]**

b) Explain Architecture of EJB & explain types of EJB in detail. **[9]**

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[5926]-66

T.E. (Computer Engineering)
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.3 or Q.4, Q.5 or Q.6 and Q.7 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 following: **[8]**

     i) Process of transforming XML document.

     ii) HTTP session

   b) What is Servlet? Explain the life cycle of servlet. Illustrate with example.**[9]**

OR

Q2) a) Compare doGet and doPost methods in servlet.   **[9]**

   b) Explain XML with respect to structure, declaration syntax, namespace.**[8]**

Q3) a) Write advantages of JSP over servlet and explain lifecycle of JSP.   **[8]**

   b) Explain the Strut architecture with neat diagram and also explain the benefits of Strut.   **[9]**

OR

Q4) a) Write a JSP program to demonstrate use of page directive, Scriplet Expression and Comment.   **[9]**

   b) Write the benefits of Web services and explain SOAP, Rest and UDDI.**[8]**

Q5) a) Explain the following with respects to PhP. **[9]**

      i) Arrays

      ii) Function

      iii) Control statements in PhP

   b) How does this array work in PhP? Explain with example. **[9]**

<div align="center">OR</div>

Q6) a) Explain object oriented way to connect MYSQL database with PhP. **[9]**

   b) Draw and explain .NET framework with CLR, CLI. **[9]**

Q7) a) Explain scalar types and their operations in Ruby. **[9]**

   b) What are the positive aspects of Rails, explain with example. **[9]**

<div align="center">OR</div>

Q8) a) Write short note on: **[9]**

      i) Rails with AJAX

      ii) WAP and WML

   b) What is EJB? Explain types of EJBs. **[9]**

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[6003]-355

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.3 or 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 side indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) What are strengths of XML technology? Explain the need of XML. **[5]**

    b) What are DTD's? Explain how do they work? **[5]**

    c) Explain URL writing and cookies in servlet with example. **[8]**

OR

Q2) a) Explain servlet architecture in detail. **[8]**

    b) What do you understand by AJAX?. Explain it. **[5]**

    c) Write a servlet which accepts two numbers using POST method and display the maximum number. **[5]**

Q3) a) List & describe important inceptors provided by strut framework. **[5]**

    b) Identify & justify the benefits of using Web Services. **[5]**

    c) Explain JSP life cycle with diagram. **[7]**

OR

Q4) a) What is JSP? Enlist advantages of JSP over servlet? **[5]**

    b) What is WSDL and SOAP? Explain WSDL in detail. **[5]**

    c) Draw and explain MVC architecture for developing web application.**[7]**

Q5) a) What is WAP? Explain components of WAP architecture in detail. **[8]**

    b) What is multidimentional arrays in PHP? Explain it with simple PHP code. **[5]**

    c) Explain overview of node JS. **[5]**

OR

P.T.O.

Q6) a) Explain how cookies and session are used for session management in PHP. **[8]**

b) What is WML? Explain WML elements. **[5]**

c) Exlain in brief overview of ASP. NET. **[5]**

Q7) a) Explain how multiple selection constructs are implemented in Ruby. **[7]**

b) Explain Rails with AJAX in detail. **[5]**

c) Draw & explain the role of EJB container in Enterprise applications. **[5]**

OR

Q8) a) Explain how to write the methods and call the method in RUBY with example. **[7]**

b) What are the difference between java beans and EJB? **[5]**

c) What is Ruby programming language? List some features of Ruby. **[5]**

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[6180]-54

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

P.T.O.

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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