

Total No. of Questions : 8]

SEAT No. :

**P276**

[Total No. of Pages : 2

**[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 interceptors provided by struts 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 are multidimensional 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) Explain 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]

