

Total No. of Questions : 8]

SEAT No. :

**PD4249**

[Total No. of Pages : 2

**[6403]-44**

**T.E. (Computer Engg.)**

**WEB TECHNOLOGY**

**(2019 Pattern) (Semester - VI) (310252)**

*Time : 2½ Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q5 or Q6, Q7 or Q8.
- 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) Compare doGet and doPost methods in Servlet. [8]

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

OR

**Q2)** a) What is session? List the session tracking techniques. How cookies are used to track a session. [9]

b) Distinguish between external and internal DTDs. [8]

**Q3)** a) List and elaborate any five JSP implicit objects with example. [8]

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

OR

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

b) Identify and justify the benefits of Web Services. [8]

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

b) How does this function work in PHP? Explain with example. [9]

OR

*P.T.O.*

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

b) Draw and explain.Net framework. [9]

**Q7)** a) Explain types of Arrays in Ruby? Explain the array operation in Ruby. [9]

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

OR

**Q8)** a) What is a module? Explain the difference between classes and modules? [9]

b) What is EJB? Draw and explain main components of EJB architecture. [9]

