

Total No. of Questions : 8]

**PA-1450**

SEAT No. :

[Total No. of Pages : 2

**[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, Scriptlet Expression and Comment. [9]**

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

*P.T.O.*

**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]**

OR

**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]**

OR

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

- i) Rails with AJAX
- ii) WAP and WML

b) What is EJB? Explain types of EJBs.

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