

Total No. of Questions : 8]

SEAT No. :

PA-1450

[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 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) 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. [9]

