

Total No. of Questions : 8

SEAT No. :

PA-1609

[Total No. of Pages : 2

**[5926]-241**  
**T.E. (AI & DS)**  
**WEB TECHNOLOGY**  
**(2019 Pattern) (Semester-I) (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 indicate full marks.*
- 4) *Assume suitable data, if necessary.*

- Q1)** a) Write a servlet program to display “Hello world”. [5]  
b) What is session management? Explain different techniques of session management. [8]  
c) Explain life cycle of servlet with neat diagram. [5]

OR

- Q2)** a) What is DTD? Explain with example. [5]  
b) How to apply style in XML? Explain with proper example. [8]  
c) Explain the working of AJAX. [5]

- Q3)** a) What are the differences between Servlet and JSP? [5]  
b) What are different JSP Directives? explain with example. [5]  
c) Explain MVC Architecture with respect to JSP. [7]

OR

- Q4)** a) Write differences between SOAP and REST. [5]  
b) Draw and explain neat diagram which depicts MVC to the struts architecture. [5]  
c) Explain SOAP header with diagram. [7]

**P.T.O.**

- Q5)** a) Write a PHP script for login form and get user name and password from user. [8]  
b) Explain in detail WAP Architecture. [5]  
c) Write a note on ASP.Net. [5]

OR

- Q6)** a) Write a short note on [8]  
i) .NET framework  
ii) C#  
b) Explain overview of Node JS. [5]  
c) Explain different types of arrays in PHP. [5]

- Q7)** a) Explain different data types in RUBY. [5]  
b) How the development is faster using RUBY with Rails. [5]  
c) What is EJB? Explain types of EJB. [7]

OR

- Q8)** a) Explain how forms are processed in Rails. [7]  
b) What are differences between session beans and Entity beans? [5]  
c) What are the string operation available in RUBY. [5]

