

Total No. of Questions : 8]

**PB-3792**

SEAT No. :

[Total No. of Pages : 2

**[6262]-51**  
**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) Figures to the right indicate full marks.

- Q1)** a) Explain servlet architecture. Explain servlet life cycle. [8]
- b) Explain XML with respect to XML declaration, DOM based XML processing. [6]
- c) Explain concept of transforming XML documents [3]

OR

- Q2)** a) Explain the following:
- i) URL rewriting [4]
  - ii) MySQL and Java servlets. [4]
- b) Explain the concept of AJAX and its working. Explain advantages of AJAX. [9]
- Q3)** a) Explain the concept of JSP. Explain the JSP life cycle. Also differentiate JSP Vs servlets (min.04) [12]
- b) Explain struts with respect to its architecture, actions & interceptors.[6]

OR

**P.T.O.**

- Q4) a)** Explain the Javabeans classes and JSP with example. [9]  
b) What are web services. Explain the concept of WSDL. [9]

- Q5) a)** Explain PHP with basic code block for displaying Hello world and list the advantages of PHP over JSP (min 04) [8]  
b) Write note on: [10]  
i) • NET framework  
ii) C#

OR

- Q6) a)** Explain the session tracking and management in PHP. [8]  
b) Explain the following : [10]  
i) NodeJS  
ii) WAP & WML

- Q7) a)** Explain the control statements and arrays in Ruby. [10]  
b) Explain the concept of layouts & document requests in Rails. [7]

OR

- Q8) a)** Explain the classes in Ruby. Elaborate on pattern matching in Ruby. [8]  
b) Write note on:  
i) EJB [5]  
ii) Rails with AJAX [4]

