

14/05/19

Roll No.

--	--	--	--	--	--	--	--	--	--

B.E / B.Tech/ B. Arch (Full Time) END SEMESTER EXAMINATIONS

INFORMATION TECHNOLOGY

IV Semester

IT8451 WEB TECHNOLOGY

(Regulation 2012)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What is an object and how does the JVM allocate memory to it?
2. Why method overloading is not possible by changing the return type of method? Give example.
3. Differentiate UDP from TCP
4. Mention the need for multithreading.
5. What is XML? Explain how to write an XML document?
6. What is the difference between GET and POST request?
7. Differentiate cookies from session variables.
8. What is the use of 'param' variable in JSP?
9. What is struts and its use?
10. What is swing and mention its use?



Part – B (5 x 16 = 80 marks)
(Question No.11 is Compulsory)

11. (i) Explain the inheritance with payroll processing examples 8
(ii) Write a program to perform the following functions using classes, objects and 8
constructors where essential.
 - Get input for marks of 5 students in 5 subjects
 - Calculate the total and average
 - Print the formatted result on the screen

12. a) Give an overview of Java networking. Implement a JAVA Client and Server side Socket program to exchange the message between them. 16

(OR)

- b) Explain in detail the RMI and activation with example. 16

13. a) (i) Give introduction about manipulation of XML code in JAVA parsers. 8

- (ii) Write a Java program to manipulate an XML code in SAX or DOM parser. 8

(OR)

- b) Explain AJAX Framework with Web applications for example PHP and AJAX 16

14. a) Consider a database table with the following schema (PNR No, status) Write a servlet program to display the status, for given PNR number. 16

(OR)

- b) Explain about how JDBC is used to connect multiple database. 16

15. a) Give an overview of MVC architecture and java server faces 16

(OR)

- b) Give an overview of configuration Settings and mapping persistent classes also brief working with persistent objects of hibernate. 16

