2021
B.A./B.Sc.
Fifth Semester
CORE – 11
COMPUTER SCIENCE
Course Code: CSC 5.11
(Internet Technologies)

Total Mark: 70   *Pass Mark: 28*
Time: 3 hours

Answer <u>five</u> questions, taking <u>one</u> from each unit.

UNIT–I

1. Give an overview of Java. Explain JDK, JRE, and JVM with proper diagram. What is JDBC? Explain JDBC architecture and the types of JDBC drivers.   2+6+2+4

2. What is an array? How do you declare arrays in Java? Write a separate Java program for arrays using for loop and foreach loop.   2+2+10

UNIT–II

3. What are Javascript datatypes? Explain with an example. Explain Events and Event handling in detail.   4+10

4. Enumerate the difference between Java and Java script. What do you understand by undeclared and undefined variables? What are global variables and how are they declared?   5+5+4

UNIT–III

5. Write a Java program to find if a given number is palindrome or not. And also, write a Java program to check if a number is even or odd..   7+7

6. Write a Java program to find the Fibonacci series. Also, write a Java program to find the factorial of a number.   7+7

UNIT–IV

7. What are JSP actions? What is the use of a requirement tag in JSP? Explain in detail the life cycle of JSP.   4+4+6

8. Define MVC in detail. Explain the implicit objects in JSP. Differentiate between <jsp:include page=…> and <%@include file=...>.   5+4+5

UNIT–V

9. What are Java beans? Why is bean not an applet? What are the properties of introspection? Explain in detail. Write down the difference between bean and Java bean.   2+3+5+4

10. Write down a simple bean program. Define an Infobus in Java bean. Is Infobus easy to use? Explain in your own understanding. What are the properties of Javabeans?   6+4+4

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