



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 5th Semester Examination, 2022-23

CMSACOR11T-COMPUTER SCIENCE (CC11)

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.*

GROUP-A

1. Answer any **four** questions from this group: 2×4 = 8
- (a) What is the anonymous function in JavaScript?
 - (b) What is the difference between JavaScript and JScript?
 - (c) What is BOM? DOM
 - (d) What is the purpose of ResultSet?
 - (e) What is the purpose of errorPage attribute in JSP?
 - (f) What is Enterprise Java Bean?
 - (g) How submit button and reset button are used in JavaScript?

GROUP-B

Answer any four questions from the following

8×4 = 32

2. (a) Write down the advantages of JSP over Servlet? 2+6
- (b) Explain different types of JSP tags with example.
3. (a) What is the difference between ServletConfig and ServletContext? 2+6
- (b) Explain the uses of <jsp:useBean>, <jsp:setProperty> and <jsp:getProperty> with a suitable example.
4. (a) What is JDBC? Discuss about the different types of JDBC drivers. 5+3
- (b) Compare between execute(), executeQuery() and executeUpdate() methods.
5. (a) Describe servlet life cycle.
- (b) Explain how to embed an Applet within a JSP page?

6. (a) Explain how to create a function with return type with an example in JavaScript. 3+3+2
(b) Explain thin driver.
(c) Describe Javax.sql* packages?
7. (a) What is JAR file? How it is created? (2+2)+4
(b) Write down the different services provided by the web container.
8. Write a JavaScript to validate the following fields of a registration page. 2+2+4
(i) Name (should contain alphabets only)
(ii) email id (should contain @)
(iii) Password (length should not be less than eight characters and contain one lowercase alphabet, one uppercase alphabet, and a special character.

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