



2022/TDC/ODD/SEM/CSCHCC-502T/091

TDC (CBCS) Odd Semester Exam., 2022

COMPUTER SCIENCE

(Honours)

(5th Semester)

Course No. : CSCHCC-502T

(Internet Technology)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer any two of the following questions :

2×2=4

(a) What is object? Write down the characteristics of an object.

(b) How do you differentiate array from array list?

(c) What is package? On which package does array list class belong?



(2)

2. (a) Write a JAVA program to explore the different methods of array list class. 6

Or

- (b) How do you create an object of a class? Explain this with a code segment.

UNIT—II

3. Answer any two of the following questions : 2×2=4

- (a) State the differences between scripting language and programming language.
(b) How do you declare variable in JavaScript?
(c) What are the different types of datatypes available in JavaScript?

4. (a) Explain the most important features of JavaScript. How does JavaScript differ from VBScript? 4+2=6

Or

- (b) Write the JavaScript code to—
(i) find the largest of three numbers;
(ii) find the factorial of an integer number. 3+3=6

(Continued)

(3)

UNIT—III

5. Define any two of the following terms : 2×2=4

- (a) JDBC
(b) ResultSet
(c) SQLException

6. (a) Explain with code segment how connection can be established in JDBC. 6

Or

- (b) Discuss the different components of JDBC.

UNIT—IV

7. Answer any two of the following questions : 2×2=4

- (a) What is JSP? Write down the advantages of JSP.
(b) Write down the applications of servlet.
(c) Mention the different steps to develop JSP application.



8. (a) Explain the life cycle of servlet.

6

Or

(b) What is servlet? Differentiate servlet and JSP.

1+5=6

UNIT—V

9. Answer any *two* of the following questions :

2×2=4

(a) Write down the properties of JavaBeans.

(b) What is JAR file?

(c) What do you mean by introspection in JavaBean?

10. (a) Write a Java program to implement the concept of JavaBean.

6

Or

(b) Write down the following commands related to JAR file :

1½×4=6

(i) Create

(ii) Execute

(iii) Extract

(iv) Update
