



CBCS SCHEME

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18CS45

Fourth Semester B.E. Degree Examination, Jan./Feb. 2023

Object Oriented Concepts

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. State the important feature of Object Oriented Paradigm. (10 Marks)
b. What is constructor? List the different types of constructors and explain. (10 Marks)

OR

- 2 a. What is static member of a class? Write C++ program to count the number of object created. (10 Marks)
b. What is function overloading? Write C++ program to define three overload function area() to find area of circle, triangle and rectangle. (10 Marks)

Module-2

- 3 a. List and explain java Buzzwords. (10 Marks)
b. Explain the structure of Java.Program and its keywords with an example. (10 Marks)

OR

- 4 a. Explain the concept of array in java with example. (10 Marks)
b. List and explain different iteration statement used in java with example. (10 Marks)

Module-3

- 5 a. What is an exception? With syntax explain exception handling mechanism. (10 Marks)
b. Explain different access specifier in java with example. (10 Marks)

OR

- 6 a. Define Package. What are the steps involved in creating user define package with an example. (10 Marks)
b. Compare and contrast method overloading and overriding with examples. (10 Marks)

Module-4

- 7 a. What is meant by thread priority? How is it assigned? (10 Marks)
b. Explain key Event and mouse Event class. (10 Marks)

OR

- 8 a. What is meant by deadlock? How to avoid deadlock? Give example. (10 Marks)
b. Explain following with syntax and example:
i) wait() ii) notify() iii) notifyAll() (10 Marks)

Module-5

- 9 a. What is an applet? What are its types? Explain the skeleton of an applet. (10 Marks)
b. Explain Advantages of Swing over AWT and two key features of swings. (10 Marks)

OR

- 10 a. Explain with syntax.
i) JLabel ii) JTextField iii) JButton iv) JCheckBox v) JComboBox (10 Marks)
b. Write swing program for displaying any one of the options : C, C++, PHP, Java through the selection of combo box by clicking the show button (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.