G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.

UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2024.

(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.C.A.

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
II	PART-III	CORE-3	U23CA202	OBJECT ORIENTED PROGRAMMING CONCEPTS USING C++

Date & Session: 05.11.2024 / AN   **Time : 3 hours**   **Maximum: 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.
CO1	K1	1.	What is do-while loop also known as? a) Exit Control b) Entry Control c) per tested d) All the above
CO1	K2	2.	go to can be classified into? a) label b) Operator c) Variable d) Function
CO2	K1	3.	Choose the option below which is not a member of class. a) Friend Function b) Static Function c) Virtual Function d) Const Function
CO2	K2	4.	A _____ member function can only be called by another function that is member of its class. a) friend b) static c) public d) Private
CO3	K1	5.	Which is the correct example of a unary operator? a) & b) == c) / d) ---
CO3	K2	6.	While using an object as a function argument, a copy of the entire object is passed to the function in _____ method. a) pass-by-value b) pass-by-reference c) pass-by-variable d) pass-by-function
CO4	K1	7.	……………… are also known as generic pointers, which refer to variables of any type. a) void pointers b) null pointers c) this pointer d) base pointer
CO4	K2	8.	What is Inheritance in C++? a) Deriving new classes from existing classes b) Overloading of classes c) Classes with same names d) Wrapping of data into a single class
CO5	K1	9.	What is meant by a polymorphism in C++? a) class having only single form b) class having four forms c) class having many forms d) class having two forms
CO5	K2	10.	Which header file is required to use file I/O operations? a)<ifstream> b) <ostream> c) <fstream> d) <iostream>

Course Outcome	Bloom's K-level	Q. No.	**SECTION – B (5 X 5 = 25 Marks)** **Answer ALL Questions choosing either (a) or (b)**
CO1	K3	11a.	Write an advantages of OOP's concept. **(OR)**
CO1	K3	11b.	Explain If-Else statement.
CO2	K3	12a.	Discuss Static Member variables and functions. **(OR)**
CO2	K3	12b.	Give an account of Bit fields and classes.
CO3	K4	13a.	Differentiation Unary and Binary operators. **(OR)**
CO3	K4	13b.	Illustrate Multilevel Inheritance.
CO4	K4	14a.	Discuss in new and delete operators. **(OR)**
CO4	K4	14b.	Explain virtual Functions.
CO5	K5	15a.	List out the File Stream classes. **(OR)**
CO5	K5	15b.	Explain the Binary and ASCII Files.

Course Outcome	Bloom's K-level	Q. No.	**SECTION – C (5 X 8 = 40 Marks)** **Answer ALL Questions choosing either (a) or (b)**
CO1	K3	16a.	Explain the Decision-making statements. **(OR)**
CO1	K3	16b.	Discuss Looping statements in detail.
CO2	K4	17a.	How will you Declare the Member Functions with an example. **(OR)**
CO2	K4	17b.	Define Constructor's and Destructors with example.
CO3	K4	18a.	Explain function overloading with example. **(OR)**
CO3	K4	18b.	Briefly explain the types of Inheritance.
CO4	K5	19a.	Illustrate Array of classes and Data binding with example. **(OR)**
CO4	K5	19b.	Explain Polymorphism with example.
CO5	K5	20a.	Discuss Briefly Reading/Writing operations with example. **(OR)**
CO5	K5	20b.	Show case the Exception handling with examples.