

K COMMON SECOND MID TERM TEST - 2019

STANDARD - XI
COMPUTER SCIENCE

Reg. No.

Marks: 45

Time: 1.15 Hrs.

Part - I

I. Choose the correct answer write the question no. and option:
10×1=10

- 1) Array subscript is always starts with which number?
a) -1 b) 0 c) 2 d) 3
- 2) By default, the string end with which character?
a) \0 b) \t c) \n d) \b
- 3) The data elements in the structure are also known as _____
a) objects b) members c) data d) records.
- 4) Which of the following is a user defined data type?
a) class b) float c) int d) object
- 5) Which of the following supports the transitive nature of data?
a) Inheritance b) Encapsulation
c) Polymorphism d) Abstraction
- 6) A member function can call another member function directly, without using the dot operator called as
a) sub function b) sub member
c) nesting of member function d) sibling of member function
- 7) Which of the following access specifier protects data from inadvertent modifications?
a) private b) protected c) public d) global
- 8) Which of the following refers to a function having more than one distinct meaning?
a) Function overloading b) Member overloading
c) Operator overloading d) Operations overloading
- 9) Which of the following is invalid prototype for function overloading?
a) void fun(int x);
void fun(char ch);
c) void fun (double d);
void fun(char ch);
d) void fun(double d);
void fun(int y);
- 10) Which of the following reduces the number of comparisons in a program?
a) operator overloading b) operations overloading
c) function overloading d) member overloading

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Part - II

II. Answer the following questions: [any four]

4×2=8

Question No. 12 is compulsory.

- 11) What is Traversal in an Array?
- 12) What is strings?
- 13) Define structure. What is its use?
- 14) Why for passing a structure to a function call by reference is advisable to us?
- 15) What is polymorphism?
- 16) Write down the importance of destructor.

Part - III

III. Answer any four questions:

4×3=12

Question No. 20 is compulsory.

- 17) Write a C++ program to accept and print your name.
- 18) What is called anonymous structure? Give an example.
- 19) What is paradigm? Mention the different types of paradigm.
- 20) What are advantages of declaring constructors and destructor under public accessibility?
- 21) What are the rules for function overloading?
- 22) What is operator overloading? Give some example of operators which can be overloaded.

Part - IV

IV. Answer all the questions:

3×5=15

- 23) a) How will you pass two dimensional array to a function explain with example?

(OR)

- b) What are the rules for operator overloading?
- 24) a) Explain array of structures with example.

(OR)

- b) What are the advantages of oops?
- 25) a) Mention the differences between constructor and destructor.

(OR)

- b) Explain nested class with example.

I. Choose the correct answer: 10x1=10

7. Structure definition is terminated by _____.
a) : b) } c) ; d) ::
8. Which of the following is a properly defined structure?
a) struct {int num;} b) struct sum {int num;}
c) struct sum it sum; d) struct sum {int num;}
e) struct sum {int num;};
9. Insulation of the data from direct access by the program is called as _____.
a) Data hiding b) Encapsulation c) Polymorphism d) all
10. Member functions are called as _____.
a) members b) methods c) datamember d) av
- II. Answer any 5 of the following: 5x2=10
16. What are the different ways to initialize the structure members?
- III. Answer any 5 of the following: 5x3=15
20. What are the types of an array? Write the syntax of both.
21. Define inheritance.
22. Write the important features of procedural programming language.
- IV. Answer any 3 of the following: 3x5=15
23. b) Explain the features of Oops.
25. a) Write a program in C++ using nested structure, the struct name as student.
b) Write a C++ program, to find the difference of two matrix using 2 dimensional array.