Q.28 What is constructor over loading? Explain it with example.

Q.29 Explain input & output statement used in C++.

Q.30 Explain the components of a file.

Q.31 Define function overloading.

Q.32 What are the different types of access specifiers used in C++?

Q.33 What is the friend function? Explain its advantages with examples.

Q.34 Explain operators used in C++.

Q.35 Difference between virtual base class and abstract class in C++.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Define Inheritance "Explain the types of Inheritances"?

Q.37 Define stream. Write a program to read from a file using file streams.

Q.38 Define object oriented programming. Explain all the concepts of object oriented programming in detail.

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120841/30841

4th Sem / Branch : Comp, /IT

Subject:- Object Oriented Programming Using C++

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 C++ language is a successor to which language?

a) B b) C
c) Java d) VB

Q.2 Which of the following is not a valid keyword in C++ language?

a) while b) for
c) switch d) do-while

Q.3 Which of the following is used for single-line comment in C++?

a) // b) \\
c) /**/ d) ##

Q.4 For inserting a new line in C++ program, which one of the following statements can be used?

a) \t b) \r
c) \n d) None of the above

Q.5 Which of the following gives the 4th element of the array?

a) Array[1]; b) Array[2];
c) Array[3]; d) Array[4];

Q.6 What would happen in case one uses a void in the passing of an argument?

a) It would return any value

b) It may not or may depend on a declaration return type of any function. The return type of the function is different from the passed arguments.

c) It would return some value to the caller

d) It would not return any value to the caller

Q.7 Which of the following can be considered as the members that can be inherited but not accessible in any class.?

a) Public b) Protected

c) Private d) Both A and C

Q.8 What is virtual inheritance in C++?

a) C++ technique to enhance multiple inheritance

b) C++ technique to ensure that a private member of the base class can be accessed somehow

c) C++ technique to avoid multiple inheritance of classes

d) C++ technique to avoid multiple copies of the base class into children/derived class

Q.9 Identify the correct for a pre- increment operator.

a) ++n b) n++

c) +n d) n+

Q.10 What is the extension of C++ file?

a) .C b) .CPP

c) .C++ d) .Java

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Define single inheritance.

Q.12 Define variable.

Q.13 What is symbol of increment operator in C++?

Q.14 What is the use of scope resolution operator?

Q.15 Define Abstraction.

Q.16 List any two arithmetic operations of C++.

Q.17 Define Inheritance.

Q.18 What is the basic building block of object oriented programming language?

Q.19 What is base class?

Q.20 What is a header file?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Write a program in C++ illustrating the concept of while loop.

Q.22 Difference between POP & OOPS.

Q.23 Write any two differences between while loop and for Loop.

Q.24 Explain any four library functions in C++.

Q.25 Define object. How can we create object in C++ ? Give example.

Q.26 What is a pure virtual function?

Q.27 Write the advantages of inheritance.