

April 2015

खडक - 038

Seat Number

--	--	--	--	--	--



COMPUTER SCIENCE PAPER - II (NEW) : CS - 242
Programming in C++ - II
(24246)

P. Pages : 3

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicate full marks.

1. Attempt **any eight**.

8

- a) A class can inherit the attributes of two or more classes, is known as.....
- | | |
|-----------------------------|-------------------------|
| i) Multiple inheritance | ii) Single inheritance. |
| iii) Multilevel inheritance | iv) Hybrid inheritance. |
- b) A class can contain objects of other classes as it's. Members is called.....
- | | |
|--------------------|--------------------|
| i) Inheritance | ii) Polymorphism |
| iii) Containership | iv) Virtual class. |
- c) If there is a pointer p to objects of a base class and it contains the address of an object of a derived class, and both classes contain a nonvirtual member function, xyz(), then the statement $P \rightarrow xyz()$; will cause the version of xyz() in theclass to be executed.
- | | |
|-----------------|------------------------|
| i) Virtual base | ii) Nonvirtual derived |
| iii) Base | iv) Derived. |
- d) A pure virtual function is a virtual function that
- i) has no body
 - ii) returns nothing
 - iii) is used in a derived class
 - iv) Takes no arguments.

खडक - 038

1

P.T.O

3. Attempt **any two**. 8
- a) Explain derived constructor function with example.
 - b) How exception throwing mechanism works in C++.
 - c) Give different file pointer manipulation functions.
4. a) Attempt **any two**. 6
- a) Explain class templates with multiple parameters.
 - b) Explain STL components with suitable diagram.
 - c) Explain Hierarchical inheritance with suitable diagram.
- b) Compulsory question. 2
- What is abstract class?
5. Attempt **any one**. 8
- a) i) What is command line argument? Explain with example.
 - ii) What is multilevel inheritance? Write a program in C++, to implement multilevel inheritance.
 - b) i) Explain the purpose of following functions with example.
i) put() ii) get() iii) read() iv) write()
 - ii) 10 records of employees are stored in file emp.dat. Each record contains name, employee number & basic salary. Write a program to read all these records from the emp. dat. Store particular records where salary is greater than 10,000 in file empl.dat.
(Hint : you may use read() & write() functions.)
