Seat No. ☐☐☐☐☐

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कण - 110

COMPUTER SCIENCE PAPER - II : CS - 232
Programming in C++ - I
(New) (23246)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :
1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same 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) Define object.

   b) Which of the following is not access specifier ?
      i) Public   ii) Private
      iii) Personal   iv) Protected

   c) List out characteristics of object.

   d) Following is an insertion operator.
      i) >   ii) >>
      iii) <   iv) <<

   e) Destructor is preceded by
      i) symbol (~)   ii) void
      iii) return type   iv) {

   f) (::) scope resolution operator accesses.
      i) Local variables   ii) integer variables
      iii) global variables   iv) pointer variables

   g) List out the operators that can not be overloaded.

   h) Static member function can be called using
      i) variable_name   ii) constant
      iii) class_name   iv) None of these

   i) Dynamic memory management operator is
      i) new   ii) and
      iii) or   iv) now

   j) Output of : int C = 0; cout <<C++<<C; is
      i) 10   ii) 01
      iii) C++   iv) undefined

2.   Attempt **any four.**   8

a)   What is C++ ?

b)   What is constructor ?

c)   What is friend function ?

d)   Explain insertion and extraction operator with suitable diagram.

e)   Explain new and delete operator.

f)   What is inline function ?

3.   Attempt **any two.**   8

a)   Explain use of scope resolution operator with example.

b)   Write note on function overloading with example.

c)   Explain copy constructure with example.

4.   A)   Attempt **any two.**   6

a)   Describe defining member functions outside the class defination.

b)   Explain pointer to function.

c)   Explain manipulators endl and setw.

B)   Explain structure of C++ program.   2

5.   Attempt **any one.**   8

a)   i)   Differentiate between structured oriented and object oriented programming.
    ii)   Write a C++ program to overload unary (–) minus operator.

b)   i)   Write a C++ program to swap to integers, floats, and characters using function overloading.
    ii)   Explain pointers to object.

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