

Seat Number

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NOV-2015



कर्ता - 015

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

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 right indicate full marks.

1. Attempt any eight.

8

- i) Which is more effective while calling the functions ?
a) Call by value b) Call by reference
c) Call by pointer d) none of the mentioned
- ii) Which of the following is not a type of constructor ?
a) Copy constructor b) Friend constructor
c) Default constructor d) Parameterized constructor
- iii) Which of the following term is used for a function defined inside a class ?
a) member variable b) member function
c) class function d) classic function
- iv) Where does the execution of the program starts ?
a) User defined function b) Main function
c) Void function d) None of the mentioned
- v) Destructor has the same name as the constructor and it is preceded by
a) ! b) ?
c) ~ d) \$

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P.T.O

- vi) Element in an array are identified by a unique
- | | |
|--------------|-----------|
| a) data type | b) order |
| c) subscript | d) symbol |
- vii) The keyword used to transfer control from a function back to the calling function is
- | | |
|------------|-----------|
| a) switch | b) goto |
| c) go back | d) return |
- viii) Which feature in OOP allows reusing code ?
- | | |
|------------------|----------------|
| a) Polymorphism | b) Inheritance |
| c) Encapsulation | d) Data hiding |
- ix) Which of the following cannot be friend ?
- | | |
|-------------|----------------------|
| a) Function | b) Class |
| c) Object | d) Operator function |
- x) Where the default value of parameter have to be specified.
- | | |
|-----------------------|------------------------|
| a) Function call | b) Function definition |
| c) Function prototype | d) Both B or C |

2. Attempt any four.

8

- What is constructor ? Give syntax of the constructor function.
- Explain manipulator operator set w() & endl.
- What is array of object ?
- What is operator overloading ?
- What is encapsulation ?
- Give the application of oops technology.

3. Attempt any two.

8

- How one can pass object as an argument function ? Explain with example.
- Write difference between constructor and destructor.
- Explain new and delete operator with suitable example.

4. a) Attempt any two.

6

- i) What is class & object ? Explain with example.
- ii) Give hierarchy of C++ data types.
- iii) What is friend function ? Explain with example.

b) What is inheritance ?

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5. Attempt any one.

8

- a) i) What is access specifier ? Explain different access specifier in brief.
- ii) Describe in brief the concept of pointer to function with suitable example.
- b) i) Explain parametrized constructor with example.
- ii) Write a C++ program to overload + operator for subtracting two complex numbers.
