



G-3734

Second Year B. C. A. (Sem. III) Examination
November / December – 2014
Object Oriented Programming

Time : Hours]

[Total Marks :

Instructions :

(1)

नीचे दस्तावेज निशानीवाली विंगतों उत्तरपत्री पर अवश्य ब्रपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
Second Year B. C. A. (Sem. III)

Name of the Subject :
Object Oriented Programming

Subject Code No. : 3 7 3 4 Section No. (1, 2, ...): Nil

Seat No. : [] [] [] [] [] [] [] []

Student's Signature

- (2) All questions are compulsory.
(3) Figures to the right indicate full marks.

Q-1 Answer any Seven

[14]

- 1 Define this pointer
- 2 Which operator cannot be overloaded as member and friend function?
- 3 Explain any four manipulator function.
- 4 Differentiate between copy & parameterized function
- 5 What is visibility modifier?
- 6 Which are the various methods which cannot call through the object and how to call those methods?
- 7 How scope resolution operator used in different ways in object oriented programming?
- 8 Define Manipulators & which file to be including for it?
- 9 Define destructors and when it is called.

Q-2 Do as directed

[14]

- (A) Write a program to overload + and = for string.
(B) Explain Exception Handling with proper example

(7)

(7)

OR

G-3734]

1

[Contd...

Q-2

- (A) Write a program to overload >> and << [14]
(B) What is file handling in C++? Explain the seekg(), seekp(), tellg() & tellp() with example. (7)

Q-3 Answer the following(Any Two)

- (A) List out the OOPS concepts. Explain the data abstraction and Encapsulation with example. [14]
(B) Write a program to convert time duration in terms of minutes to TIME class where TIME class contains hours and minutes.
(C) Which are the different types of constructor? Explain with example for multiple inheritance

Q-4 Do as directed [Any two]

- (A) Explain compile time and runtime polymorphism [14]
(B) Explain object as function argument and returning object.
(C) Explain types of inheritance with example.

Q-5 Answer the following (Any two)

- (A) Create binary file for class EMP whose data members are eid , name & salary write a program to copy the contents of this file to another file where salary is greater than 5000 [14]
(B) What do you meant by operator Overloading .How many arguments are needed for overloading unary operators & why? Demonstrate one example of unary operator overloading.

- (C) Define the syntax for User Define Manipulators and create for the following for float value
➤ 12 column width
➤ 3 digit precision
➤ Left justified
➤ Filling unused space with '@'
➤ Trailing zeros shown