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Total No. of Pages : 02

Total No. of Questions : 09

BMCI (2014 & Onwards) (Sem.-2)

OBJECT ORIENTED PROGRAMMING WITH C++

Subject Code : BMCI-203

M.Code : 72465

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1) Answer briefly :**

- a) What is data hiding?
- b) What is early and late binding?
- c) State the use of static functions.
- d) What is passing by value?
- e) Explain the use of unions in C++.
- f) Illustrate the use of inline functions.
- g) How can we declare a structure?
- h) Define Polymorphism.
- i) What are header files?
- j) Discuss pure virtual functions.



SECTION-B

- 2) What is object oriented programming? Discuss its advantage and disadvantage over structure programming.
- 3) What is a function? Explain how function overloading is implemented in C++.
- 4) Discuss Constructors. Explain its types with the help of examples.
- 5) Explain the concept of nesting of classes in detail.
- 6) What are the various visibility modes? Explain in detail.

SECTION-C

- 7) What is file handling? What are the various operations that can be performed on files? Discuss in detail.
- 8) What is inheritance? Discuss its types with examples.
- 9) Write short notes on :
 - a) Nested structure
 - b) Structure with pointer

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.