Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

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

Answer briefly :

1. Differentiate between private and public members.

2. Explain static member functions.

3. State the characteristics of object oriented languages.

4. What do you mean by early binding?

5. How can we declare Arrays?

6. What is redirection in files?

7. What is the role of Friend function?

8. What do you mean by pass by reference?

9. What are the advantages of pointers?

10. Define inheritance.

SECTION-B

11. What is polymorphism? Why is it needed? Write a program to show polymorphism.

12. What is nesting of member function? Explain.

13. What is the use of inline functions? Give example.

14. Explain the role of abstraction, data hiding and encapsulation in object oriented programming.

15. Differentiate between private, public and protected.

SECTION-C

16. What do you mean by Constructor and Destructor? Write a program to demonstrate copy constructor and destructor.

17. Write short note on :

a) Operator overloading

b) Pure virtual functions in C++.

18. Why is it necessary to use header files at the beginning of a program? What role do they play?

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.