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B—484—2019

FACULTY OF COMPUTER STUDIES

B.Sc. (Third Semester) EXAMINATION

MAY/JUNE, 2019

(CBCS Pattern)

COMPUTER SCIENCE

Paper VII

(Programming in C++)

(MCQ + Theory)

(Monday, 6-5-2019)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

N.B. :— (i) All questions are compulsory.

(ii) All questions carry equal marks.

MCQ

10

1. Solve the following :

(1) What is full form of OOP ?

- (A) Object Oriented Paradigm
- (B) Object Oriented Programming
- (C) Office Oriented Programming
- (D) Office Objective Programming

(2) While overloading binary operators using member function, it requires argument/s.

- (A) One
- (B) Two
- (C) Zero
- (D) Three

P.T.O.

- (3) Which of the following is not a type of constructor ?
- (A) Copy constructor (B) Friend constructor
(C) Default constructor (D) Parameterized constructor
- (4) In CPP members of a class are by default.
- (A) public (B) private
(C) protected (D) static
- (5) What is abstract class ?
- (A) A class with abstract keyword
(B) A class with no functions in it
(C) A class with at least one pure virtual function
(D) Empty class
- (6) How many types of inheritance are there in C++ ?
- (A) 2 (B) 3
(C) 4 (D) 5
- (7) What does inheritance allows you to do ?
- (A) Create a hierarchy of classes
(B) Create a class
(C) Access methods
(D) None of the above
- (8) Default return type of functions in CPP is
- (A) void (B) long
(C) char (D) int
- (9) How many object can be created of a class in C++ ?
- (A) 1 (B) 5
(C) There is no limit (D) 256

(10) C++ is a superset of which language ?

- (A) Basic (B) VB
(C) Pascal (D) C

Theory

2. (a) Explain benefits of OOPs. 5
(b) Explain data types used in C++. 5

Or

WAP in C++ to calculate and print arithmetic operations. 10

3. Explain loop control structures with example. 10

Or

(a) WAP in C++ to demonstrate inline function. 5

(b) Explain destructor with example. 5

4. Explain operator overloading with example. 10

Or

(a) WAP in C++ to illustrate multilevel inheritance. 5

(b) Explain abstract classes. 5