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R—362—2017

FACULTY OF SCIENCE

B.Sc. (Second Year) (Third Semester) EXAMINATION

MARCH/APRIL, 2017

COMPUTER SCIENCE

Paper VII

(Object Oriented Programming Using C++)

(MCQ+Theory)

(Monday, 8-5-2017)

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

Time—2 Hours

Maximum Marks—40

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

(ii) Figures to the right indicate full marks.

(MCQs)

1. Attempt the following : 10

(i) << is called as operator.

(a) insertion operator

(b) less than operator

(c) logical operator

(d) extraction operator

(ii) Switch is statement in C++.

(a) Single choice

(b) Multiple choice

(c) Double choice

(d) None of these

(iii) is decrement operator in C++.

(a) +

(b) ++

(c) --

(d) None of these

(iv) The function which is automatically executed at the time of object creation is called as

(a) Class

(b) Constructure

(c) Virtual function

(d) Inline function

P.T.O.

- (v) Dynamic binding is also known as :
- Abstraction
 - Early binding
 - Polymorphism
 - Late binding
- (vi) with only one base class is called single inheritance.
- Abstract
 - Function
 - Derived
 - None of these
- (vii) A stream is a sequence of
- Class
 - Array
 - Constant
 - Bytes
- (viii) is a input statement in C++.
- Printf
 - Cout
 - Cin
 - Cinout
- (ix) -int variable on C++ requires bytes.
- 2
 - 1
 - 4
 - 8
- (x) is a exit control loop.
- while
 - for
 - switch
 - do-while

(Theory)

2. Write a program in C++ to check whether given no. is prime or not prime. 10

Or

- What is a structure of C++ program ? Explain. 5
- Explain switch statement in C++ using example. 5

3. Write a program in C++ to sum of indivisitional digits of given integer number i.e. $567 = 5 + 6 + 7 = 18$. 10

Or

- (a) Describe the for loop with suitable example. 5
(b) Explain operator overloading. 5
4. What is inheritance ? Explain different types of inheritance. 10

Or

- (a) Explain constructor in C++ using suitable example. 5
(b) Explain stream classes in C++. 5