



**HCV-003-003309**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. III) (CBCS) Examination**

October / November – 2017

**CS-14 : C++ & Object Oriented Programming**  
(Old Course)

**Faculty Code : 003**

**Subject Code : 003309**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- 1 Answer the following questions : 20
- (1) Who is the founder of c++?
  - (2) Which is known as container of classes?
  - (3) Which is the symbol of insertion operator?
  - (4) What is the extension of c++?
  - (5) Which symbol is used in call by reference function?
  - (6) To use setw manipulator, which header file must be included?
  - (7) Which symbol for scope resolution operator?
  - (8) What is the meaning of local class?
  - (9) By default which visibility modifiers for the member of class?
  - (10) What is the full form of MIL?
  - (11) Which sign is used for destructor?
  - (12) Full form of RTTI.
  - (13) Which operators can not be overloaded?

- (14) Full form of STL.
- (15) An exception in c++ can be generated using which keywords ?
- (16) To perform file input / output operation in C++, we must include which header file ?
- (17) How many argument for default constructor ?
- (18) Which function is used to move the input pointer at some particular location ?
- (19) Which function is used to delete the last element of the vector ?
- (20) What is streambuf class ?

**2** (a) Answer of the following : (any **three**) **6**

- (1) Explain the structure of c++ program.
- (2) Difference between call by value and call by reference
- (3) Difference between pop and oops
- (4) What is inline function?
- (5) Explain application of c++.
- (6) Explain Array of objects.

(b) Answer of the following : (any **three**) **9**

- (1) Explain memory management operator.
- (2) Explain command line argument in c++.
- (3) Explain static data member.
- (4) Explain entry loop.
- (5) Explain abstract Class.
- (6) Explain default argument

(c) Answer of the following : (any **two**) **10**

- (1) Explain friend function with example.
- (2) Explain inheritance with its types and example.
- (3) Explain function overloading with example.
- (4) What is constructor? Explain with its types and example.
- (5) Explain sequential I/O operations with example.

**3** (a) Answer of the following : (any **three**) **6**

- (1) What is the meaning of destructor?
- (2) Explain class to basic type conversation
- (3) What is the meaning of containership?
- (4) How many visibility modifiers are available in c++?
- (5) What is the meaning of this pointer?
- (6) What is the meaning of pure virtual function?

(b) Answer of the following : (any **three**) **9**

- (1) Explain pointer to object.
- (2) Explain unformatted I/O operations.
- (3) Explain seekg( ), seekp( ) and tellg( ).
- (4) Explain error handling.
- (5) Explain File modes.
- (6) Explain function template.

(c) Answer the following : (any **two**)

**10**

- (1) Explain virtual function with example.
- (2) Explain Exception handling with example.
- (3) Explain components for STL.
- (4) Explain operator overloading with example.
- (5) What is dynamic initialization of objects in c++ ?  
Explain with example.

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