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Reg. No. :

Code No. : 21018

Sub. Code : GMCA 21

B.C.A. (CBCS) DEGREE EXAMINATION,
APRIL 2016.

Second Semester

Computer Applications – Main

OBJECT ORIENTED PROGRAMMING C++

(For those who joined in July 2012 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The C++ programs are stored in the extension of

- (a) .C (b) .Cpp
(c) .C++ (d) .Cplus

2. The insulation of data from direct access by the program is called _____

- (a) abstraction (b) encapsulation
(c) data hiding (d) none

3. The default arguments must start with the symbol

- (a) :: (b) #
(c) = (d) @

4. A _____ is a run time entity

- (a) class (b) object
(c) structure (d) union

5. Which operator can be overloaded?

- (a) Subscripting (b) Dereferencing
(c) Arithmetic (d) All of these

6. Which operator has the highest precedence?

- (a) * (b) +
(c) ++ (d) ?



7. The inheritance is default by

- (a) public (b) protected
(c) private (d) none

8. While declaring pointer variable it should start with the symbol

- (a) & (b) *
(c) →* (d) .*

9. _____ function reads single character from a file

- (a) get (b) gec
(c) getchar (d) getch

10. The _____ function handle the data in binary form

- (a) get (b) gec
(c) getchar (d) read

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) What are the benefits of OOP?

Or

(b) Differentiate procedure oriented programming and object oriented programming.

12. (a) Compare class and structures.

Or

(b) How to specify a class?

13. (a) Define operator overloading. Mention which operators that cannot be overloaded.

Or

(b) Write a C++ program to overload the operator '++'.

14. (a) What is meant by nesting of classes?

Or

(b) Write short note on pure virtual functions.



