(i) Printed Pages : 3]

Roll No. ....

(ii) Questions : 9]

Sub. Code : | 0 | 2 | 9 | 3 |

Exam. Code : | 0 | 0 | 0 | 3 |

B.A./B.Sc. (General) 3rd Semester Examination

1127

COMPUTER APPLICATION
(Programming in C++)
Paper : CA05

Time : 3 Hours]

[Max. Marks : 30

Note :– Attempt *five* questions in all. Question No. **1** is compulsory and attempt *one* question from each Unit.

Compulsory Question

1. Attempt the following :

   (i) Define data hiding.

   (ii) Describe tokens in C++.

   (iii) What are objects ?

   (iv) Define destructor.

NA–336

(1)

Turn Over

(v) What do you mean by protected member inheritable ?

(vi) Define virtual functions.   1×6=6

Unit–I

2. Write difference between the following :

(a) Encapsulation *vs*. Data Hiding

(b) Analysis *vs*. Design   3,3

3. Describe user defined and derived data types in detail. Also explain declaration of variables.   6

Unit–II

4. Differentiate between pass by value *vs*. pass by reference, default arguments *vs*. const. arguments.   6

5. Describe objects as function arguments. Explain friendly functions.   6

Unit–III

6. Write short notes on the following :

(i) Function overloading

(ii) Operator overloading   3,3

7. Write a program of read and print students information using simple inheritance.   6

NA–336   (2)

Unit–IV

8. What is console I/O operations ? Define stream classes and unformatted I/O functions put() and get().   6

9. Write short notes on the following :

    (i)   Processing files

    (ii)   Stream class hierarchy   3,3