

Total No. of Questions : 8]

[Total No. of Printed Pages : 3

Paper Code : 21314

F-414

B.C.A. (Third Semester) Examination, 2018

(New Course)

Paper-BCA-304-N

**OBJECT ORIENTED DESIGN AND
PROGRAMMING IN C++**

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt any *five* questions. All questions carry equal marks.

1. (a) Define the characteristics of OOP's.
(b) Define the various visibility modes used in C++ and their purpose also.
2. (a) Explain Storage classes.
(b) What is the difference between Procedure Oriented Programming and OOP's ?

S-225

(1)

Turn Over

3. (a) What do you mean by link and association ?
(b) What is friend function ? Write its characteristics. Explain with the help of program.
4. (a) What is the difference between break and continue ? Explain each with program.
(b) What is the recursive function ? Explain with the help of program.
5. (a) What is constructor and destructor ? Write its characteristics. <http://www.mjpruonline.com>
(b) Write a program enter 10 number in array and print the number of array in reverse order.
6. (a) Explain the term runtime polymorphism and compile time polymorphism.
(b) What is the difference between classes and structure ?
7. (a) What is operator overloading ? Explain in detail.
(b) Explain the single inheritance with proper program.

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(2)

8. Write short notes on the following terms :

Inline function, Switch statement, Metadata,
Application of OOP's.

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