

Diploma (One Year) (B.Voc.) Semester—II (Software Development) Examination

OBJECT ORIENTED PROGRAMMING USING C++

Compulsory Paper—5

Time : Three Hours]

[Maximum Marks : 70

N.B. :— All questions are compulsory and carry equal marks.

EITHER

1. (A) Explain different features of OOP's. 7
- (B) Explain different types of access specifiers in detail with suitable examples. 7

OR

- (C) Write short notes on :
 - (i) Class
 - (ii) Object
 - (iii) Member functions. 7
- (D) Explain protected access specifier in detail with suitable example. 7

EITHER

2. (A) Explain static data members with constructor's and write example based on this concept. 7
- (B) Explain different types of constructor in detail with suitable example. 7

OR

- (C) Define operator overloading and explain unary and binary operator overloading in detail. 7
- (D) What is Constructor ? Explain constructor overloading with example. 7

EITHER

3. (A) Define inheritance. Explain different types of inheritance. 7
- (B) Differentiate between multilevel and multiple inheritance. 7

OR

- (C) Explain this pointer with suitable example. 7
- (D) Difference between super class and derived class in detail with suitable example. 7

EITHER

4. (A) Explain exception handling mechanism in detail. 7
- (B) What is virtual function ? What is need for virtual functions ? Explain. 7

OR

- (C) List the different types of exceptions and explain its in detail. 7
- (D) Explain rules for handling exception successfully. 7

5. Attempt **all** :

- (A) Explain constructor with example. 3½
- (B) Explain concept of inheritance in detail. 3½
- (C) Explain pure virtual function. 3½
- (D) Explain private and public access specifier in detail. 3½