

**Govt. V. Y. T. PG. Autonomous College,Durg(C.G.)**  
**ASSIGNMENT QUESTION**

**BIT-301 (DSC)**

**B.Sc (IT). III Semester**  
**PROGRAMMING IN C++**

- Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.
- Part C (Short answer type) of each question should be answered in 200-250 words.
- Part D (Long answer type) of each question should be answered

within the word limit 400-450.

**Max. Marks : 80**

**UNIT-I**

Q1 A . Explain concept of object oriented programming . (2)

Q1 B. What is this pointer ? (2)

Q1 C. Write the applications of OOP. (4)

OR

What is operator ? Explain logical operator and relational operator of C++.

Q1.D. Explain various features of object oriented paradigm. (8)

Or

Explain structure of C++ and Data types \_.

**UNIT-II**

Q2 A. Explain Scope resolution operator? (2)

Q2 B. What is the use of destructor of a Class ? (2)

Q2 C. Define constructor and explain with suitable example. (4)

**OR**

Explain public, private and protected access specifier.

Q2D. What is inheritance in C++ Define? (8)

**OR**

Differentiate between constructor and destructor. Write a C++ program to demonstrate it.

### **UNIT-III**

Q 3 A. What do you mean by a function in C++ ? (2)

Q 3 B. What is polymorphism. (2)

Q3 C. Write a C++ program to implement of call by value and call by reference. (4)

**OR**

Explain function overloading in C++ with suitable example.

Q.3 D What is pointer? What is This Pointer? Explain with suitable example. (8)

**OR**

Explain virtual function using C++ program.

### **UNIT-IV**

Q4 A. What is the use of new keyword in C++ ? (2)

Q4 B. What is dynamic memory? (2)

Q4 C. Explain Sequential input and output operation reference. (4)

**Or**

Explain C++ stream.

Q4 D. Explain opening and closing file and file modes. (8)

**OR**

Explain the following:

- a. file stream operation
- b. Command line argument.

### **UNIT-V**

Q5 A. What is Standard template ? (2)

Q5 B What is Exception? (2)

Q5 C. Explain try, catch and throw. (4)

**OR**

Explain standard template library.

Q5 D. What is a Template? Define standard template library. (8)

**OR**

try, catch and throws keyword with example?

**Govt. V. Y. T. PG. Autonomous College,Durg(C.G.)**  
**ASSIGNMENT QUESTION**

**BIT-301 (GEC)**

**B.Sc (IT). III Semester**  
**PROGRAMMING IN C++**

- Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.
- Part C (Short answer type) of each question should be answered in 200-250 words.
- Part D (Long answer type) of each question should be answered

within the word limit 400-450.

**Max. Marks : 80**

**UNIT-I**

Q1 A . Explain concept of object oriented programming . (2)

Q1 B. What is this pointer ? (2)

Q1 C. Write the applications of OOP. (4)

OR

What is operator ? Explain logical operator and relational operator of C++.

Q1.D. Explain various features of object oriented paradigm. (8)

Or

Explain structure of C++ and Data types \_.

**UNIT-II**

Q2 A. Explain Scope resolution operator? (2)

Q2 B. What is the use of destructor of a Class ? (2)

Q2 C. Define constructor and explain with suitable example. (4)

**OR**

Explain public, private and protected access specifier.

Q2D. What is inheritance in C++ Define? (8)

**OR**

Differentiate between constructor and destructor. Write a C++ program to demonstrate it.

### **UNIT-III**

Q 3 A. What do you mean by a function in C++ ? (2)

Q 3 B. What is polymorphism. (2)

Q3 C. Write a C++ program to implement of call by value and call by reference. (4)

**OR**

Explain function overloading in C++ with suitable example.

Q.3 D What is pointer? What is This Pointer? Explain with suitable example. (8)

**OR**

Explain virtual function using C++ program.

### **UNIT-IV**

Q4 A. What is the use of new keyword in C++ ? (2)

Q4 B. What is dynamic memory? (2)

Q4 C. Explain Sequential input and output operation reference. (4)

**Or**

Explain C++ stream.

Q4 D. Explain opening and closing file and file modes. (8)

**OR**

Explain the following:

- c. file stream operation
- d. Command line argument.

### **UNIT-V**

Q5 A. What is Standard template ? (2)

Q5 B What is Exception? (2)

Q5 C. Explain try, catch and throw. (4)

**OR**

Explain standard template library.

Q5 D. What is a Template? Define standard template library. (8)

**OR**

try, catch and throws keyword with example?

