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Printed Pages : 8

Degree (Part-III) Examination, 2022
(Vocational)

COMPUTER APPLICATION

[PPU-D-III (H)-BCA-6]

[Object Oriented Programming
(C++ and Java) and Advance Topics
in Computers]

Time : Three Hours]

[Maximum Marks : 100

Note : Candidates are required to give their answers in their own words as far as practicable. The questions are of equal value. Answer any five questions. Question No. 1 is compulsory.

1. Choose the correct answer from the following :

(i) Scope resolution operator is used :

(a) Outside function

(b) Inside function

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(1)

[P.T.O.]

- (c) Both (a) and (b)
 - (d) None of these
- (ii) A default constructor have arguments.
- (a) Zero (b) One
 - (c) Two (d) Three
- (iii) Which type of inheritance is in C++ truly used?
- (a) Single Inheritance
 - (b) Multipath Inheritance
 - (c) Multiple Inheritance
 - (d) All of the above
- (iv) Operator ">>" is called
- (a) get operator
 - (b) extraction operator
 - (c) both (a) and (b)
 - (d) none of these

(v) Which keyword is of Java?

- (a) Import
- (b) Interface
- (c) Implements
- (d) All of the above

(vi) The size of "double" data type in java :

- (a) 2-byte
- (b) 4-byte
- (c) 8-byte
- (d) 10-byte

(vii) What will be the output of program int

main ()

{

int z=10 ;

do

{

cout << z ;

z++ ;

} while (z > 10) ;

return 0 ;

}

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(3)

[P.T.O.]

- (a) 10
- (b) 11
- (c) Infinite execution
- (d) None of these

(viii) Which feature is not supported by java?

- (a) Thread (b) Interface
- (c) Applet (d) Template

(ix) What will be the output of program

Class A

```
{  
    public static void main (String args[ ])   
    {  
        int p=5 ;  
        for (i=1 ; i<2 ; i++)  
        {  
            p=p+i;  
        }  
        System.out.println (P) ;  
    }  
}
```

S
i = 1
L

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(+)

- (a) 6
- (b) 5
- (c) Error in code
- (d) None of these

(x) "jdk" stands for

- (a) java developer kit
- (b) java development kit
- (c) java do kit
- (d) java demo kit

2. (a) Write differences between C and C++.

(b) Write programming structure using class and their object in C++.

3. (a) What is friend function? Write using a suitable example.

(b) What is virtual function? Write some advantage of virtual function.

4. (a) Explain features of object oriented programming.
- (b) Write a program in C++ using a member function passing object of class to display smallest between two number.
5. (a) Write a program using class and object in java to check a number is Palindrome or not.
- (b) Write any five features of Java.
6. (a) What is constructor in Java? Discuss the types of constructor in Java.
- (b) Write a program using constructor to take two number and display arithmetical operation.
7. (a) Explain pure virtual function in C++ with suitable example.
- (b) What is template class in C++? Write a program in C++ to print greatest between two value integer, float and character.
8. (a) Explain Inheritance in C++ with some advantages and their types in Java.
- (b) Explain loop and their types in Java.

9. What is array? Discuss types of array in Java with suitable example.
10. What is Applet? Write a program in Applet to Add two number and display values in Applet on Button Click.

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