

AL-105

April-2024

B.C.A., Sem.-IV

CC-210 : Core JAVA

(New Course)

Time : 2:30 Hours]

[Max. Marks : 70

1. Answer the questions in detail :

- (1) Explain Java Environment with diagram. 7
- (2) Explain Java Primitive Datatypes with example of Type conversion. 7

OR

- 1. (1) Explain features of JAVA. 7
- (2) Explain Class, Object and Constructor in Java with example. 7

2. Answer the questions in detail :

- (1) Explain 'Static' and 'this' keyword and how is it implemented in Java ? Show one example. 7
- (2) What is Array ? How to define Array in Java and describe the use of foreach with array. 7

OR

- 2. (1) What is Inheritance ? Explain Multi level Inheritance with example. 7
- (2) Difference between Interface and Abstract Class. 7

3. Answer the questions in detail :

- (1) What is wrapper class ? Explain any two with suitable examples. 7
- (2) Explain Access Specifier role in Package with one example. 7

OR

- 3. (1) What is Exception ? Explain any two Exception type with example. 7
- (2) Explain String Buffer Class with some method. 7

4. Answer the questions in detail :

- (1) Explain Thread Life Cycle with example. 7
- (2) What is Applet ? Explain any two graphics class method with example. 7

OR

- 4. (1) Explain Applet Life Cycle. 7
- (2) Explain Multi-threading with isAlive() and join() method. 7

5. Answer the questions : (Attempt any 7)

- (1) What is the extension of Java byte code file ?
- (A) .txt (B) .java
- (C) .js (D) .class

14

- (2) We can convert type char into following data type :
 (A) byte (B) int
 (C) short (D) Both (A) and (B)
- (3) Super keyword is used while we use method overriding. (True/False)
- (4) Class Test
- ```

{
 Public static void main(String arg[])
 {
 Integer il = new Integer("100");
 System.out.println(il+10);
 }
}

```
- (A) 110 (B) Error  
 (C) 10010 (D) Exception
- (5) A thread is implement using \_\_\_\_\_ interface.  
 (A) Throwable (B) util  
 (C) runnable (D) thread
- (6) How many arguments can be received in main () method of Java ?  
 (A) Only 1 (B) Infinite  
 (C) System Dependent (D) None of these
- (7) Which package is implement default in Java ?  
 (A) util (B) scanner  
 (C) lang (D) All of these
- (8) If String s1 = new String("Hello krishna Good Morning");  
 System.out.print(s1.indexOf("Krishna"));  
 (A) 5 (B) 6  
 (C) 7 (D) error
- (9) Applet require main method to execute program. (True/False)
- (10) The minimum priority of Thread is \_\_\_\_\_.  
 (A) 10 (B) 1  
 (C) 5 (D) 1000
- (11) Which of the following statement will not generate exception ?  
 (A) z = x/0; (B) int a[] = new int[5];a[5]=5;  
 (C) a= 10; try{ a = 20;} (D) None of the above
- (12) \_\_\_\_\_ does not permit parent class members to be used further into child classes.  
 (A) This (B) super  
 (C) static (D) final
- (13) Which statement from the following is correct ?  
 (A) int [ ] m [ ] = new int [5] [5];  
 (B) int m[ ] [ ] = new int [5] [5];  
 (C) int m[ ] [ ] = new int [5, 5];  
 (D) None of the above
- (14) We can call any method of class using class name. (True/False)