

Seat No. : \_\_\_\_\_

# AP-101

April-2022

BCA, Sem.-IV

CC-210 : Core Java

Time : 2 Hours]

[Max. Marks : 50

- Instructions :**
- (1) All Questions in Section – I carry equal marks.
  - (2) Attempt any **Two** questions in Section – I.
  - (3) Question – 5 in Section – II is compulsory.

## Section – I

1. (A) What is Operator ? Explain Binary and Unary operator. **10**  
(B) What is Loop ? Explain types of loops with syntax and example. **10**
2. (A) Explain types of inheritance and differences of interface and abstract class. **10**  
(B) What is Array ? Explain type of array in detail. **10**
3. (A) What is Package ? Explain creating and using packages with example. **10**  
(B) What is Exception ? Explain exception handling techniques with example. **10**
4. (A) Explain creation of new threads and state of thread in java. **10**  
(B) What is Applet ? Explain hierarchy and life cycle of applet. **10**

## Section – II

5. MCQs : (Any **five**) **10**
  - (1) JDK stands for \_\_\_\_\_.  
(A) Java Development Kit (B) Java Designer's Kit  
(C) Java Developer's Kit (D) Java Definition Kit
  - (2) An operator that performs an action on three operands is called \_\_\_\_\_.  
(A) Unary Operator (B) Ternary Operator  
(C) Binary Operator (D) None of Above

- (3) Which is the keyword used for deriving classes ?
- (A) implements (B) throws  
(C) extends (D) inherits
- (4) The parent class of all the exceptions in Java is \_\_\_\_\_.
- (A) Exception (B) Throws  
(C) Throw (D) Throwable
- (5) What is the name of the tool that is used for compiling a Java program ?
- (A) javac (B) javap  
(C) java (D) javah
- (6) What is the extension of the source files in Java ?
- (A) .jav (B) .java  
(C) .bytecode (D) .class
- (7) Which type of exception does a sleep() method throw ?
- (A) Arrayindex out of bounds exception  
(B) Arithmetic exception  
(C) Interrupted exception  
(D) Nullpointer exception
- (8) Which class provides the functionality to draw different shapes ?
- (A) Line (B) Shapes  
(C) Graph (D) Graphics
- (9) Which method implicitly calls paint on an applet ?
- (A) repaint (B) paint  
(C) callPaint (D) None of above
- (10) Which operator is used to perform bitwise inversion in Java ?
- (A) ! (B) ~  
(C) & (D) |
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