

Instructions: All Question in Section-I Carry equal marks.

Attempt any Three Questions in Section-I.

Question I in Section-II is COMPULSORY.

#### SECTION-I

- |        |   |   |   |
|--------|---|---|---|
| Q.I    | A | What is the difference between Errors and Exceptions?   | 7 |
|        | B | What is an exception? How are exceptions handled in java?   | 7 |
| Q.II   | A | What are the types of Exceptions in Java?   | 7 |
|        | B | How are user-defined exceptions implemented in Java?  | 7 |
| Q.III  | A | What is an applet? How do applets differ from an application programs?                                  | 7 |
|        | B | Explain life cycle of an applet.  | 7 |
| Q.IV   | A | What are the applet classes? Explain Font class and Color class.  | 7 |
|        | B | What is the difference between applications and applets?  | 7 |
| Q.V    | A | What is an event? What are the components of event handling?  | 7 |
|        | B | How to handle an event? Explain button event, checkbox event, list event and scrollbar event in detail. | 7 |
| Q.VI   | A | What is AWT? What are the various components in AWT?  | 7 |
|        | B | Explain Java AWT basics. Explain the syntax of Text Area layout in AWT package.                         | 7 |
| Q.VII  | A | What Are The Differences Between Swing And Awt?   | 7 |
|        | B | What are the methods of component class in Java Swing?  | 7 |
| Q.VIII | A | What is JDBC? What are the different types of drivers in JDBC?  | 7 |
|        | B | What are the types of JDBC Architecture?  | 7 |

#### SECTION - II

- Q-IX
- 1) Which of the following option leads to the portability and security of Java? 8
    - A) Byte code is executed by JVM
    - B) The applet makes the Java code secure and portable
    - C) Use of exception handling
    - D) Dynamic binding between objects
  - 2) Which of the following is not a Java features?
    - A) Dynamic
    - B) Architecture Neutral
    - C) Use of pointers
    - D) Object-oriented
  - 3) The \u0021 article referred to as a
    - A) Unicode escape sequence
    - B) Octal escape
    - C) Hexadecimal

April- 2022

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- D) Line feed
- 4) \_\_\_\_\_ is used to find and fix bugs in the Java programs.  
A) JVM  
B) JRE  
C) JDK  
D) JDB
- 5) What is the return type of the hashCode() method in the Object class?  
A) Object  
B) int  
C) long  
D) void
- 6) Which of the following tool is used to generate API documentation in HTML format from doc comments in source code?  
A) javap tool  
B) javaw command  
C) Javadoc tool  
D) javah command
- 7) An interface with no fields or methods is known as a \_\_\_\_\_.  
A) Runnable Interface  
B) Marker Interface  
C) Abstract Interface  
D) CharSequence Interface
- 8) Which of the following is an immediate subclass of the Panel class?  
A) Applet class  
B) Window class  
C) Frame class  
D) Dialog class

