2907M106     Candidate's Seat No :_____

B.Sc. Sem.-6 Examination

CC - 308

Computer Science

Time : 2-00 Hours]     July 2021     [Max. Marks : 50

**Instructions:All Questions in SECTION 1 carry equal marks.**
             **Attempt any THREE questions in SECTION 1**
             **Question 9 in SECTION II is COMPULSORY**

## SECTION I

**Q-1**       **Write the following.**

   **(A)**    What is Exception handling?Explain in detail with its all keywords & example.     **(07)**

   **(B)**    Explain all types of exceptions in detail with diagram and example.     **(07)**

**Q-2**       **Write the following.**

   **(A)**    Give the difference between checked and unchecked exception.     **(07)**

   **(B)**    Give the difference between error and exception and throw and throws keyword.     **(07)**

**Q-3**       **Write the following.**

   **(A)**    Explain Applet life cycle in detail with its diagram.     **(07)**

   **(B)**    Explain AWT class hierarchy with its diagram and explain any two components in detail.     **(07)**

**Q-4**       **Write the following.**

   **(A)**    Write down all interfaces of AWT package with their description.     **(07)**

   **(B)**    What is text field control?Explain with example.     **(07)**

**Q-5**       **Write the following.**

   **(A)**    What is Event?Explain event class with description     **(07)**

   **(B)**    What is event listener interface?Explain any seven interfaces with description.     **(07)**

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**Q-6**    **Write the following.**

(A)  What is layout manager?Explain any two layouts in detail.    **(07)**

(B)  Explain various components and event handling of components in detail.    **(07)**

**Q-7**    **Write the following.**

(A)  Explain the architecture of JDBC.    **(07)**

(B)  Explain JDBC connection with its steps in detail.    **(07)**

**Q-8**    **Write the following.**

(A)  What is Swing?Explain it's features in detail.    **(07)**

(B)  Give the difference between JDBC-ODBC.    **(07)**

## SECTION II

**Q-9**    MCQ ( Any Eight )    **(08)**

(1)  When does Exceptions in Java arises in code sequence?
A) Run Time
B) Compilation Time
C) Can Occur Any Time
D) None of the mentioned

(2)  Which of these keywords is not a part of exception handling?
A) try    B) finally    C) thrown    D) catch

(3)  Which of these keywords must be used to monitor for exceptions?
A) try    B) finally    C) throw    D) catch

(4)  Which of the following classes can catch all exceptions which cannot be caught?
A) RuntimeException    B) Error
C) Exception    D) ParentException

(5)  An applet is a Java class that extends the?
A)java.Applet class    B)java class
C)Applet class    D)java.applet.Applet class

(6)  Applets are designed to be embedded within an _____.
A)Javascript    B)Css    C)HTML    D)SQL

(7)  Which method is automatically called after the browser calls the init method?

A)start     B)stop     C)destroy     D)paint

(8)     Which of these operators can be used to get run time information about an object?
A)getInfo     B)Info     C)instanceof     D)getinfoof

(9)     Which of these packages contains all the classes and methods required for even handling in Java?
A) java.applet     B) java.awt     C) java.event     D) java.awt.event

(10)     What is an event in delegation event model used by Java programming language?
A) An event is an object that describes a state change in a source
B) An event is an object that describes a state change in processing
C) An event is an object that describes any change by the user and system
D) An event is a class used for defining object, to create events

(11)     Which of these methods are used to register a keyboard event listener?
A) KeyListener()                    B) addKistener()
C) addKeyListener()                 D) eventKeyboardListener()

(12)     Event class is defined in which of these libraries?
A) java.io     B) java.lang     C) java.net     D) java.util

(13)     What are the major components of the JDBC?
A)DriverManager, Driver, Connection, Statement, and ResultSet
B)DriverManager, Driver, Connection, and Statement
C)DriverManager, Statement, and ResultSet
D)DriverManager, Connection, Statement, and ResultSet

(14)     Which of the following is advantage of using JDBC connection pool?
A) Slow performance          B) Using more memory
C) Using less memory         D) Better performance

(15)     Which of the following is advantage of using PreparedStatement in Java?
A) Slow performance               B) Encourages SQL injection
C) Prevents SQL injection         D) More memory usage

(16)     Which of the following is method of JDBC batch process?
A) setBatch()     B) deleteBatch()     C) removeBatch()     D) addBatch()