

Term End Examination August – 2022

Course	: MSCIT	Date	: 23/08/ 2022
Subject Code	: MSCIT-301	Time	: 03:00pm to 06:00pm
Subject Name	: Web Development Tools	Duration	: 03 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Write a short note on reference types data type in C#. 39
2. Explain in details about break, continue and return statement. 55
3. Describe in details about Microsoft .net runtime. 4
4. What do you mean by inheritance? Explain various types of inheritance in brief. 87
5. Define delegates and explain about it in details. 69

Section B

Answer the following (Attempt any four) (20)

1. Explain in brief about switch case statement. [48](#)
2. Describe in details about StreamReader class. [165](#)
3. Write a shot note on Base Class Library. [9](#)
4. Discuss operator overloading in C#. [121](#)
5. Explain in brief about Thread class and list and explain its important properties. [135](#)
6. List and explain various uses of USING keyword. [30](#)

Section C

Part – A (Multiple Choice Questions) (10)

- 1 Code which is not developed in .Net framework and do not run under the control of CLR is known as _____ code.

☒ A Unmanaged
☐ C Byte

☐ B Managed
☐ D Hard
- 2 MSIL stands for _____

☐ A Microsoft Interpreted Language
☐ C Microsoft Intermediate Language

☒ B Microsoft Intermediate Library
☐ D MySql Intermediate Language
- 3 _____ Assemblies are considered to be used by one application and must reside in that application's directory or subdirectory

☐ A Shared
☐ C Static

☒ B Private
☐ D Dynamic
- 4 _____ is the special types of comments which is used to create a documentation of code by using XML elements in a program.

☐ A //
☒ C ///

☐ B /* */
☐ D All of them
- 5 We use _____ block to partition code which may raise some exception during execution of program.

☐ A Try
☐ C Finally

☐ B Catch
☐ D Throws

- 6 _____ works with all types file as it is works with bytes.
 A StreamWriter B FileStream
 C StreamReader D All of them
- 7 Each time CLR allocates memory to new object from the managed _____.
 A HEAP B STACK
 C QUEUE D LINKLIST
- 8 Stream is sequence of _____ are accessed in sequence one at a time.
 A Bytes B Characters
 C Both A or B D Symbols
- 9 Delegates are used to implement _____.
 A Events B Call-back methods
 C Both A and B D Routines
- 10 _____ helps to keep one set of classes separate from another.
 A Namespace B Assembly
 C Application D Package

Part – B (Do as Directed)

(10)

- 1 CTS defines a collection of data types, which is used and managed by run-time to facilitate integration between different languages. True / False
- 2 The break statement used to terminate looping or switch statement. True / False
- 3 A set property accessor is used to return the property value. True / False
- 4 It is compulsory to implement all members of interface if interface inherited by any class. True / False
- 5 The Main method is always static, means this method can be called without any object. True / False
- 6 To use generic collections in C# include namespace System.Collection.Generics. True / False
- 7 You can destroy thread instance by calling Interrupt() method. True / False
- 8 CLR provides an environment for running all types of .Net Programs and applications. True / False
- 9 Generic class can be capable to handle any type. True / False
- 10 Metadata is like binary information of the program which is stored in a PE (Portable Executable) file in memory. True /False

Dr. Babasaheb Ambedkar Open University
Term End Examination August – 2022

Course	: MSCIT	Date	: 24/08/2022
Subject Code	: MSCIT-302	Time	: 03:00pm to 06:00pm
Subject Name	: Mobile Application Development	Duration	: 03 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Explain various components of android studio IDE components. 37
2. Write a short note on built in layouts. 175
3. Define and explain in details about Intent. 110
4. Write a short note on life cycle of activity. 86
5. Describe in details about android architecture. 11

Section B

Answer the following (Attempt any four) (20)

1. Write a short note on Android Views. 149
2. What do you mean by tweened animation, explain in brief. 200
3. Describe in brief about manifest file and its importance. 70
4. Enlist features of Android Studio. 33
5. Write a short note on TextView Control. 151
6. Explain various types of modules. 63

Section C

Part – A (Multiple Choice Questions) (10)

1. Android is called as “the first _____ mobile platform”:
A Complete B Open
C Free ☒ D All of them
2. You can create _____ number of AVD as per your need, based on the types of device you want to model.
A One B Two
☒ C As many as you want D Four
3. _____ View contains a horizontally scrolling list of View objects, also often used with image icons.
A Grid B Gallery
C List D None
4. A _____ view organizes its child View objects in a single row.
A LinearLayout B GridLayout
C RelativeLayout D TableLayout
5. A _____ is an application that runs in the background without any interaction with the user.
A Package B Module
C Project D Service

- 6 All Android applications are composed of _____.
 A Functionality (code instructions) B Data (resources)
 C Both A and B D None
- 7 _____ short cut key is used for quick fixes to coding errors such as missing imports, variable assignments, missing references, etc.
 A Ctrl + D B Alt + Enter
 C Ctrl + Enter D Shift + space
- 8 _____ stores the current state of the application/object.
 A Context B Activity
 C Intent D None
- 9 _____ contains shareable Android source code and resources that you can reference in Android projects.
 A Test B App engine
 C Library D Android application
- 10 You can get the context by invoking _____ function.
 A getApplicationContext() B getContext()
 C getBaseContext() D All of them

Part – B (Do as Directed)

(10)

- 1 To run app in android studio short cut key Shift+F10 is used. True / False
- 2 Android Studio generally builds the manifest file for you when you create a project. True / False
- 3 To create service you must defined a class that extends the Service base class. True / False
- 4 Views allow clients to set listeners that will be notified when something interesting happens to the view. True / False
- 5 TextView is a user interface element for entering and modifying text. True / False
- 6 Andy Rubin has been credited as the father of the Android platform. True / False
- 7 Frame-by-Frame animation as a digital flip book in which a series of similar images display on the screen in a sequence. True / False
- 8 Checkbox is similar to dropdown list in other programming language. True / False
- 9 A service is "bound" when an application component binds to it by calling bindService(). True / False
- 10 A CursorAdapter binds one or more columns of data to one or more View objects within the layout resource provided. True / False

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Term End Examination August – 2022

Course	: MSCIT	Date	: 25/08/2022
Subject Code	: MSCIT-303	Time	: 03:00pm to 06:00pm
Subject Name	: Object Oriented Technology	Duration	: 03 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Explain JComboBox class with methods and example. 45
2. How to create menu in Swing? Explain it with example. 60
3. Explain types of JDBC Driver. 100
4. Explain servlet life cycle in detail. 149
5. Explain JSP implicit objects in detail. 216

Section B

Answer the following (Attempt any four) (20)

1. Differentiate: Java AWT V/S Java Swing 4
2. Explain SQL Exception methods in detail. 95
3. Explain Socket Class in brief. 120
4. Differentiate: GenericServlet V/S HttpServlet 155
5. Explain RMI architecture in detail. 127
6. Write a code to insert the record into the database through a Servlet. 182

Section C

Part – A (Multiple Choice Questions)

(10)

- 1 Which method executes only once ?
A start() B paint()
☒ C init() D stop()
- 2 Which of these packages contains all the classes and methods required for event handling in java?
A java.applet B java.awt
☒ C java.event ☒ D java.awt.event
- 3 Which of these events is generated when a button is pressed?
A WindowEvent B KeyEvent
☒ C ActionEvent D ItemEvent
- 4 Which of the following method is used to perform DML statements in JDBC?
A executeResult() B executeQuery()
☒ C executeUpdate() D execute()
- 5 Which of these keywords must be used to monitor for exceptions?
A Try B Finally
C Throw D Catch
- 6 What is javax.servlet.Servlet?
A Interface B Abstract class
C concrete class D None of the above

- 7 Which of the following is used to call stored procedure?
 A Statement B PreparedStatement
☒ C CallableStatement D CalledStatement
- 8 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
- 9 Which of the following is the correct syntax to declare comments in JSP?
 A `//..` B `<%-- This is JSP comment --%>`
 C `<!-- This is JSP comment -->` ☒ D All of the above
- 10 Which JSP Action tags is used to include the content of another resource, it may be JSP, html or Servlet?
 A `<jsp:plugin >` B `<jsp:papam >`
 C `<jsp:forward >` ☒ D `<jsp:include >`

Part – B (Do as Directed)

(10)

- 1 Give the Full of AWT.
- 2 setVisible(true) method use to visible JFrame.
- 3 A dedicated drawing area can be declared as a subclass of JPanel.
- 4 setMenuBar() Method attaches a JMenuBar to a JFrame.
- 5 RMI stands for Remote Method Invocation
- 6 Write down types of ResultSet.
- 7 Class JFrame directly extends class Container. (True/False) True
- 8 JTree is packaged javax.swing
- 9 Menus require a JMenuBar object so they can be attached to a JFrame. (True/False)
- 10 Define: UDP

Dr. Babasaheb Ambedkar Open University
Term End Examination August – 2022

Course : MSCIT
Subject Code : MSCIT-304
Subject Name : Cyber Security

Date : 26/08/2022
Time : 03:00pm to 06:00pm
Duration : 03 Hours
Max. Marks : 70

Section A

Answer the following (Attempt any three)

(30)

1. Explain Cryptography. 10
2. Define the basic cyber security regulation in India. 51
3. Explain Firewall with its types. 72
4. Define Application Inspection Tools. 130
5. Explain Cyber Crimes. 170

Section B

Answer the following (Attempt any four)

(20)

1. How to define Risk Assessment? 26
2. Define the Cybersecurity Regulations In Other Countries. 54
3. Explain Security Information And Event Management. 80
4. Define Web Attack in detail. 158
5. Write short note on Hacking. 173
6. Explain Indian IT Act 2000. 217

Section C

Part – A (Multiple Choice Questions)

(10)

- Which one of the following can be considered as the class of computer threats?
A Dos Attack
B Phishing
C Soliciting
D Both A and C
- Which of the following is considered as the unsolicited commercial email?
A Virus
B Malware
C Spam
D All of the above
- _____ is a type of software designed to help the user's computer detect viruses and avoid them.
A Malware
B Antivirus
C Adware
D Both B and C
- Which one of the following is a type of antivirus program?
A Quick heal
B Mcafee
C Kaspersky
D All of the above

- 5 It can be a software program or a hardware device that filters all data packets coming through the internet, a network, etc. it is known as the_____
 - A Antivirus
 - B Cookies
 - ☒ C Firewall
 - D Malware
- 6 Which one of the following refers to the technique used for verifying the integrity of the message?
 - A Digital signature
 - B Decryption algorithm
 - C Protocol
 - ☒ D Message Digest
- 7 In Wi-Fi Security, which of the following protocol is more used?
 - A WPA
 - ☒ B WPA2
 - C WPS
 - D Both A and C
- 8 Which type of the following malware does not replicate or clone them self's through infection?
 - A Rootkits
 - ☒ B Trojans
 - C Worms
 - D Viruses
- 9 In order to ensure the security of the data/ information, we need to _____ the data:
 - ☒ A Encrypt
 - B Decrypt
 - C Delete
 - D None of the above
- 10 Which of the following is a type of cyber security?
 - A Cloud Security
 - B Network Security
 - C Application Security
 - ☒ D All of the above

Part – B (Do as Directed)

(10)

- 1 What are the 4 phase of CCMP? Detection, Response, Recovery, Containment.
- 2 ISO standard which is used for Information Security and Risk Management is ISO 27001
- 3 Which section is responsible to secure electronic healthcare data? DISHA → Digital Information Security in Healthcare Act
- 4 What kind of threat action can cause the unauthorized disclosure of data Exposure
- 5 What kind of event authorized user can receive false data _____
- 6 What do we call if due to undesirable action data is altered data manipulation or data tampering
- 7 What kind of malware encrypts the file and ask for ransom to decrypt the file Ransomware
- 8 Mention any two types of SQL injection attacks _____
- 9 Which type of malicious software captures the user data and history Spyware
- 10 Which is the most import data privacy and protection law in European Union? GDPR
The General Data Protection Regulation.