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

Course	: MSCIT	**Date**	:	24-Feb-2022
Subject Code	: MSCIT-302	**Time**	:	10:00am to 12:00pm
Subject Name	: Mobile Application Development	**Duration**	:	02 Hours
		Max. Marks	:	50

Section A

Answer the following (Attempt any two) **(20)**
1. Describe in details about various types of modules available in android studio. 63
2. Write a detailed note on Permission Protection levels. 129
3. Write a short note on Android Architecture. 11
4. Explain in detailed about tweened animation and various tweening transformation. 200

Section B

Answer the following (Attempt any four) **(20)**
1. Define intent and explain its primary attributes. 110
2. What is use of BUTTON control explain in brief. 160
3. Define resources and explain resource directory hierarchy. 138
4. Explain in brief about Android Virtual Devices (AVD). 35
5. Write a detailed note on android manifest file. 70
6. Explain in brief LinearLayout. 177

Section C
Part – A (Multiple Choice Questions) **(10)**

1   _____ control draws its child controls in a single horizontal row or a single vertical column

A	GridLayout	B	TableLayout
C	LinearLayout	D	FrameLayout

2   A_____ is a good choice to use when using data from a database.

A	CursorAdapter	B	ArrayAdapter
C	CustomAdapter	D	None of them

3   _____stores the current state of the application/object.

A	Context	B	Intent
C	Activity	D	Service

4   _____animation is best used for complicated graphics transformations that are not easily implemented programmatically

A	Tweened	B	Frame by Frame
C	Both A and B	D	None of them

5   Short Cut Key to run android app is _____

A	Ctrl + F10	B	Alt + F10
C	Shift + F10	D	Ctrl + Shift + F10

6   You can use _____ to fix errors for the most probable solution
     A   Ctrl+Enter   B   Ctrl + D
     C   Ctrl + P   D   Ctrl +Y
7   Application program interface (API) is a set of_____for building software
     applications.
     A   Routines   B   Protocols
     C   Tools   D   All of them
8   A layout control is found within the_____ package.
     A   android.graphics   B   android.bitmap
     C   android.widget   D   android.layout
9   Generally, you use _____ when no input is required from the user.
     A   An Intent   B   A service
     C   An Activity   D   All of them
10   All resources filenames must only contains _____
     A   Letters   B   Numbers
     C   Underscore   D   All of them

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Course	: MSCIT	Date	:	25-Feb-2022
Subject Code	: MSCIT-303	Time	:	10:00am to 12:00pm
Subject Name	: Object Oriented Technology	Duration	:	02 Hours
		Max. Marks	:	50

Section A

Answer the following (Attempt any two) (20)

1. Explain JRadioButton class with methods and example. 36
2. How to create menu in Swing? Explain it with example. 60
3. Explain types of JDBC Driver. 100
4. Which are the classes are used for connection-oriented socket programming? Explain any one in detail. 119

Section B

Answer the following (Attempt any four) (20)

1. Write short note on JTable. 75
2. Write down the steps for configuring ODBC data source. 83
3. Explain JDBC statement in detail. 105
4. Explain RMI architecture in detail. 127
5. Write a code to insert the record into the database through a Servlet. 182
6. Explain JSP scripting elements with example. 204

Section C
Part – A (Multiple Choice Questions) (10)

1 Which is the container that doesn't contain title bar and MenuBars but it can have other components like button, textfield etc?

A	Window	B	Frame
C	Panel	D	Container

2 Which of these events is generated when a button is pressed?

A	WindowEvent	B	KeyEvent
C	ActionEvent	D	ItemEvent

3 Which of the following method is used to perform DML statements in JDBC?

A	executeResult()	B	executeQuery()
C	executeUpdate()	D	execute()

4 Which are the classes are used for connection-less socket programming?

5

A	Socket and ServerSocket	B	DatagramSocket and DatagramPacket
C	Socket	D	All of above

6 What is a listener in context to event handling?

  A A listener is a variable that is notified when an event occurs
  B A listener is a object that is notified when an event occurs
  C A listener is a method that is notified when an event occurs
  D None of the mentioned

7 Which of these keywords must be used to monitor for exceptions?

  A try
  B finally
  C throw
  D catch

8 Which of these package is used for remote method invocation?

  A java.applet
  B java.lang.rmi
  C java.lang.reflect
  D java.rmi

9 What is javax.servlet.Servlet?

  A Interface
  B Abstract class
  C concreate class
  D None of the above

10 How to pass information from JSP to included JSP?

  A Using <%jsp:page> tag.
  B Using <%jsp:param> tag.
  C Using <%jsp:import> tag.
  D Using <%jsp:useBean> tag.

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Term End Examination January – 2022

Course	: MSCIT	**Date**	:	26-Feb-2022
Subject Code	: MSCIT-304	**Time**	:	10:00am to 12:00pm
Subject Name	: Cyber Security	**Duration**	:	02 Hours
		Max. Marks	:	50

Section A

Answer the following (Attempt any two) **(20)**

1. What is Cryptography? How does Cryptography work? Explain with example. 10
2. Explain Cyber Security Policy Framework. 55
3. Explain the Linux Firewall with proper example. 87
4. What is Brute Force Attack? Explain its Tools and Techniques. 144

Section B

Answer the following (Attempt any four) **(20)**

1. Define Indian Cyberspace in detail. 4
2. Explain any Five Attack. 20
3. What is Firewall? Explain its Types. 72
4. Define the IEEE Standards in Wireless Network. 102
5. Explain ZAP and SQLMAP. 130 129 – 133
6. What is Cyber Crime? Explain its Types. 170

Section C
Part – A (Multiple Choice Questions) **(10)**

1 _____ is the cyclic practice for identifying & classifying and then solving the vulnerabilities in a system.
   A Vulnerability management ✓
   B Vulnerability measurement
   C Bug protection
   D Bug bounty

2 There are _____ types of exploit.
   A 3
   B 2 ✓
   C 4
   D 6

3 Core Impact, Metasploit and w3af are all examples of:
   A Cybersecurity search engines ✓
   B Password security tools
   C Frameworks
   D SQL injection tools

4 Which of this Nmap do not check?
   A services different hosts are offering
   B on what OS they are running
   C what kind of firewall is in use
   D what type of antivirus is in use ✓

5 _____ is a web application assessment security tool.
   A LC4
   B WebInspect ✓
   C Ettercap
   D QualysGuard

6   Firewall examines each _____ that are entering or leaving the internal network.
    A   emails users   B   updates
    C   connections   D   data packets

7   A firewall protects which of the following attacks?
    A   Phishing   B   Shoulder surfing
    C   Dumpster diving   D   Denial of Service (DoS)

8   Network administrators can create their own ACL rules based on _____ _____ and _____
    A   Network topology, Protocols and   B   Address, Protocols and security
        data packets   policies
    C   Address, Protocols and Packet   D   Address, policies and Packet
        attributes   attributes

9   A _____ attack one of the simplest processes of gaining access to any password-protected system.
    A   Waterhole   B   Eavesdropping
    C   Clickjacking   D   Brute force

10 What is the name of the IT law that India is having in the Indian legislature?
    A   India's Technology (IT) Act, 2000 B   India's Digital Information
                                              Technology (DIT) Act, 2000
    C   India's Information Technology   D   The Technology Act, 2008
        (IT) Act, 2000

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