



## BRAINWARE UNIVERSITY

## **Term End Examination 2023** Programme - BCA-2019/BCA-2020 Course Name - Mobile Application Development Course Code - BCAD601A (Semester VI)

Time: 2:30 Hours Full Marks: 60 [The figure in the margin indicates full marks. Candidates are required to give their answers in their

own words as far as practicable.]

## Group-A

(Multiple Choice Type Question) Choose the correct alternative from the following:

1 x 15=15

- (i) "There can be only one running activity at a given time"?- Justify b) False a) True d) Can not say c) May be (ii) Which of the following android library provides access to the database? b) android.database a) android.content d) None of the these c) android.api (iii) In Android studio, identify which of the following callback is called when an activity starts interacting with the user? b) onCreate a) onDestroy d) onStop c) onResume (iv) Identify pass data from one activity to another activity in android. which type of intent is used?
  - a) Implecit

b) Implecit and Explicit both

c) Explicit

- d) None of the these
- (v) Select which of the following class in android displays information for a short period of time and disappears after some time?
  - a) toast class

b) log class

c) maketest class

- d) None of the these
- (vi) Select which of the following method in android is used to log debug messages?
  - a) Log.r()

b) Log.R()

c) Log.d()

- d) Log.D()
- (vii) Select which of the following method is used by services to clean up any services?
  - a) onStop() method

b) stopService() method

c) onDestroy() method

d) stopSelf() method

(viii) Choose which of the following class in android executes the task asynchronously with your service?

a) SyncTask	b) AsyncTask d) None of the these	
c) Both of these (ix) Choose which of the following layout in androi	d arranges its children into rows and	
(ix) Choose which of the following layout in and of	u urrunges	
columns?	b) TableLayout	
a) RelativeLayout	d) None of the these	
<ul><li>c) FrameLayout</li><li>(x) What is the default value of the orientation att</li></ul>	ribute in LinearLayout?	
	b) Vertical	
<ul><li>a) Horizontal</li><li>c) There is no default value of orientation</li></ul>	d) None of the these	
attribute in LinearLayout	None of the these	
(xi) What is the nine-patch images tool in android?	)	s
	h) It is used to change	
<ul> <li>a) It is an image extension tool.</li> </ul>	into nine sections	
<ul> <li>c) Both It is an image extension tool and It is used to change the bitmap images into</li> </ul>	d) None of the these	
nine sections	*	
(xii) Which one is NOT related to fragment class?	b) ListFragment	
a) DialogFragment	d) CursorFragment	
<ul><li>c) PreferenceFragment (xiii) Choose what was Google\'s main business mo</li></ul>	tivation for supporting Android?	
(xiii) Choose what was Google\s main business me	h) iDhone	
<ul> <li>a) To level the playing field for mobile devices</li> </ul>	b) To directly compete with the iPhone	
<ul> <li>c) To corner the mobile device application market for licensing purposes</li> </ul>	d) To allow them to advertise more	
(xiv) The android library that make use of access th	e UI pre-built elements such as	
buttons, lists, views etc. is		
a) android.text	b) android.os	
a) android view	d) android.webkit	
(xv) In the TCP/IP protocol suite, select which one header?	of the following is NOT part of the IP	
a) Destination port number	b) Destination IP address	
c) Source IP address	d) Fragment Offset	
Grou	ір-В	
(Short Answer Type Questions) 3 x 5=15		
a control of deploying ARK Files		(3)
2. State the steps of deploying APK Files		(3)
3. Write a short note on WIFI and WIMAX.		(3)
<ol> <li>Briefly explain the Menu in android.</li> <li>Briefly explain about BroadCast Receiver with Example.</li> </ol>		(3)
6. What is a notificationand discover how to create and set notifications?		(3)
	R	(3)
		(3)
Explain how to create a service using Java code.		(3)
Gro	up-C	
(Long Answer T	ype Questions)	5 x 6=30
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7. Which are the different types of Menus?		(5)
8. Explain which components are necessary for a New Android project?		(5)
9. Explain that the mobile backend is as secure as the app itself?		(5)
10. Explain Android Architecture briefly.		(5)
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11. Explain best practices to keep the user data secure?		(5)
12. Write a program to discover a popup notificati	יייי מאווא וטמאנ.	(5)

