



## BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – BCA-2019/BCA-2020

Course Name – Mobile Application Development

Course Code - BCAD601A

( Semester VI )

Full Marks : 60

Time : 2:30 Hours

[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)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) On which of the following, developers can test the application, during developing the android applications?
- |                           |                                     |
|---------------------------|-------------------------------------|
| a) Third-party emulators  | b) Emulator included in Android SDK |
| c) Physical android phone | d) All of these                     |
- (ii) Identify which of the following is not an activity lifecycle callback method?
- |                     |                           |
|---------------------|---------------------------|
| a) onClick() method | b) onCreate() method      |
| c) onStart() method | d) onBackPressed() method |
- (iii) We require an AVD to create an emulator. What does AVD stand for? .
- |                           |                            |
|---------------------------|----------------------------|
| a) Android Virtual device | b) Android Virtual display |
| c) Active Virtual display | d) Active Virtual device   |
- (iv) Find does android support other languages than java?
- |           |               |
|-----------|---------------|
| a) Yes    | b) No         |
| c) May be | d) Cannot say |
- (v) Select which of the following is contained in the src folder?
- |             |                      |
|-------------|----------------------|
| a) XML      | b) Java source code  |
| c) Manifest | d) None of the these |
- (vi) Select which of the following android component displays the part of an activity on screen?
- |           |             |
|-----------|-------------|
| a) View   | b) Manifest |
| c) Intent | d) Fragment |
- (vii) Select the full form of OHA -
- |                             |                             |
|-----------------------------|-----------------------------|
| a) Open Health Academy      | b) Open Handset Alliance    |
| c) Open Handset Application | d) Open Handset Association |
- (viii) Examine in which year OHA (Open Handset Alliance) is announced?
- |         |                      |
|---------|----------------------|
| a) 2005 | b) 2007              |
| c) 2006 | d) None of the these |

- (ix) Find out the name of the Android version 1.6?
  - a) Eclair
  - b) Froyo
  - c) Cupcake
  - d) Donut
- (x) What is contained in manifest.xml?
  - a) Source code
  - b) List of strings used in the app
  - c) Permission that the application requires
  - d) None of the these
- (xi) Select which of the following is not a nickname of any android version?
  - a) Donut
  - b) Muffin
  - c) Honeycomb
  - d) Cupcake
- (xii) Identify in which state the activity is, if it is not in focus, but still visible on the screen?
  - a) Stopped state
  - b) Destroyed state
  - c) Paused state
  - d) Running state
- (xiii) Select which of the following android version is named Jelly Bean?
  - a) 4.1
  - b) 2.1
  - c) 1.1
  - d) 3.1
- (xiv) Identify which of the following is the API level of Android version 5.0?
  - a) 21
  - b) 20
  - c) 11
  - d) 41
- (xv) Identify the full form of APK -
  - a) Android Phone Kit
  - b) Android Page Kit
  - c) Android Package Kit
  - d) None of the these

**Group-B**

(Short Answer Type Questions)

3 x 5=15

- 2. List all attributes to develop a simple button (3)
- 3. Explain about the toast. (3)
- 4. Describe sharing data in android (3)
- 5. Briefly explain about Android Virtual Device(AVD) (3)
- 6. Explain the class and Interface (3)

OR

Classify Projections and Filtering (3)

**Group-C**

(Long Answer Type Questions)

5 x 6=30

- 7. Draw a block diagram of android Activity Life Cycle. (5)
- 8. Compare between Scroll View & anchoring views (5)
- 9. How do create, save, restore and clear shared preferences? Explain with an example. (5)
- 10. What is a content provider? (5)
- 11. Explain what do you understand by SQLite aggregate functions? Explain with an example of any two aggregation functions. (5)
- 12. Briefly Classify Activities and fragments (5)

OR

Classify Views and their ViewGroups (5)