

**2111000104050003**  
**BCA Sem – IV**  
**Examination July-2023**  
**Mobile Application Development-II**

**Seat No:**

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**[Time: Three hours]**

**[Max. marks:70 ]**

**Instruction**

1. All questions are compulsory.
2. Figure to the right indicate full marks.
3. Mention your options clearly.

**Student's Signature**

**Q.1** Answer following Multiple Choice Questions: (Any 14) **14**

- 1) Which activity is called when Activity class is created?  
 a) onStart                      b) onCreate                      c) onStop                      d) onResume
- 2) Which converts Java byte code into Dalvik byte code?  
 a) Dalvik Converter                      b) Dex Compiler  
 c) Mobile Interpretive Compiler                      d) None of the above
- 3) Manifest file contains  
 a) Permissions                      b) Launcher activities  
 c) Both permissions & launcher activities                      d) None of the above
- 4) What is true about R.java file?  
 a) It is auto-generated file which contains resource IDs of all Resources.  
 b) It is auto-generated file which contains configuration settings.  
 c) It is auto-generated file which contains string objects.  
 d) None of the above
- 5) ListView uses \_\_\_\_\_ classes which add the content from data source (such as string array, array, database etc) to ListView.  
 a) Array                      b) Adapter                      c) ArrayList                      d) ListView
- 6) A scroll view contains \_\_\_\_\_ direct child only.  
 a) Single                      b) Only two                      c) Both a) & b)                      d) More than two
- 7) EditText uses \_\_\_\_\_ interface to watch change made over EditText.  
 a) AutoCompleteTextView                      b) TextWatcher  
 c) SearchView                      d) ListView

- 8) `var result= (2^3);` What is the value of result variable in dart?  
 a) 1                      b) 2                      c) 3                      d) 0
- 9) `var res=(10>12) || (12<10);` What is the value of res variable in dart?  
 a) True                      b) False  
 c) Indeterminate                      d) Depends on the editor
- 10) Which is not an invisible widget?  
 a) Scaffold                      b) TextField                      c) Row                      d) Column
- 11) Which is a stateless widget?  
 a) Text                      b) Slider                      c) Row                      d) Column
- 12) AOT stands for \_\_\_\_\_  
 a) Accrued of Time                      b) Ahead of Temp  
 c) Ahead of Time                      d) Accrued of Temp
- 13) Maps datatype is defined by using \_\_\_\_\_  
 a) []                      b) {}                      c) ()                      d) All of the above
- 14) In Named parameter, which of the following is true?  
 a) Sequence of parameter does not matter  
 b) Sequence of parameter matter.  
 c) Sequence of parameter matter only for first parameter.  
 d) None of the above
- 15) Which command-line tool is used to compile Dart into javascript?  
 a) dart2js                      b) darttojs                      c) dartjs                      d) none of the above

**Q.2** Answer the following Questions in details. (Any two) **14**

- 1) Explain AndroidManifest file.
- 2) Explain Dalvik VM.
- 3) Explain DatePicker & TimePicker.

**Q.3** Answer the following Questions in details. (Any two) **14**

- 1) Explain Dart datatypes.
- 2) Explain iterative statements in dart.
- 3) Explain any two visible widgets.

- Q.4** Answer the following Questions in details. (Any two) **14**
- 1) Explain SearchView using ListView.
  - 2) Explain any two Multi-child widgets.
  - 3) Explain TextWatcher & AutoCompleteTextView.
- Q.5** Write a short note on (Any two) **14**
- 1) Architecture of Flutter.
  - 2) Operators in Dart.
  - 3) ProgressBar & Spinner in Android Studio.