



Daffodil International University

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Final Examination Semester: Summer- 2019

Course Code: CSE 334 (DAY) Course Title: Wireless Programming

Course Teacher: All

Time: 2 hours

Full Marks: 40

Figures in the right-hand margin indicate full marks.

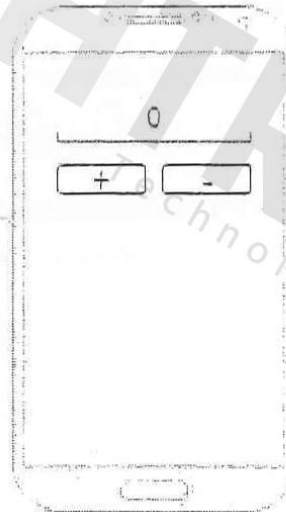
*\*Read the questions carefully. Answer all the questions.*

1.

Suppose you want to build an Android based mobile application which working like a counter. If you click the plus button then value will increase. In the same way, if you click the minus button then value will decrease. Considering the given user interface answer the following question. [4+6=10]

a) Write down the XML code for the given UI.

b) Write the java code.



2.

- a) What is JSON? Write down the difference between JSONObject and JSONArray? Give JSON encoded examples. [3]
- b) What is the process and what are the necessary tools for exporting android application? How to publish Android Application. Describe them with proper diagram. [5]
- c) Describe the process of getting current location. [2]

3.

- a) Write down the difference between InputStreamReader and OutputStreamWriter in java. Provide some example codes. [4]
- b) Write the purpose of HttpURLConnection class. What are the uses of this class? [4]
- c) Describe the three main classes of java socket. [2]

4. Choose the correct answer and give the reason.

[8\*1.25=10]

- a) InetAddress defines,
  - i) Physical Address ii) Mac Address
  - iii) Internet Program Address iv) Internet Protocol Address
- b) Which one is not an UI control ,
  - i) Button ii) TextView
  - iii) RadioButton iv) Fill Parent
- c) Drawback of BufferedReader is,
  - i) Input ii) Space
  - iii) Length iv) Time
- d) In findViewById(R.id.Btn1) method R is defined as
  - i) Repository ii) Replacement
  - iii) Resource iv) Represent
- e) Parent class of Activity?
  - i) Object ii) ContextThemeWrapper
  - iii) Context iv) ActivityGroup
- f) DX stands for,
  - i) Dynamic Xclusion ii) Dalvik Xclusion
  - iii) Dalvik Executables iv) Dalvik Xclamation
- g) .dx tools (Dalvik executable tools) going to convert -
  - i) .dx tools to .img file ii) .dx to .class file
  - iii) .class file to .dex file iv) .dex file to .Apk
- h) How can read input from source input stream?
  - i) IputStream ii) OutputStream
  - iii) InputStreamReader iv) OutputStreamReader