



**Daffodil International University**  
**Department of Computer Science and Engineering**

**Faculty of Science & Information Technology**

**Midterm Examination, Fall 2020 @ DIU Blended Learning Center**

**Course Code: CSE334 (Day), Course Title: Wireless Programming**

**Level: 3      Term: 3      Section: PC-F**

**Instructor: ABAM      Modality: Open Book Exam**

**Date: Sunday 8 October, 2020      Time: 09:00 am - 01:00 pm**

**Four hours (4:00) to support online open/case study based assessment      Marks: 25**

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**Directions:**

- **Students need to go through the CASE STUDY shown in this exam paper.**
  - **Analyze and answer specific section based on your own thinking and work.**
  - **Do not share as this will be treated as plagiarism by Blended Learning Center.**
1. **Suppose**, you have the following user interface of android apps which contains EditText(id:e1, hint: “enter a number”), Button(id:fact, text”FACTORIAL BTN” )and a TextView(id:display, text:”Factorial will come here”) answer the questions below.

A mockup of an Android application interface. It consists of a light gray background. At the top, there is a text input field with the placeholder text "enter a number". Below this field is a button with the text "FACTORIAL BTN" in bold, black, uppercase letters. At the bottom of the interface is a text view with the placeholder text "Factorial will come here".

- a) Think about the above scenario if android studio gives any error during developing the apps according to above information then correct the scenario otherwise keep it unchanged. 2
- b) Write xml code to design the given user interface. 3
- c) Write java code to develop the given user interface. 3
- d) If any user click on the FACTORIAL BTN before giving input in EditText then what will happen and how to control that situation? 3
- e) During solving 1(c) if you don't write the following line then what will happen? 2

```
setContentView(R.layout.activity_main);
public class MainActivity extends AppCompatActivity
```

- f) During solving 1(b) which Layout you have used and why? Which Layout is preferable? 2
- g) If you use **LinearLayout** with default orientation to solve 1(b) and if you write the following xml code in each palette then what will happen and how to solve it? 2

```
android:layout_width="match_parent"
```

- h) Explain the following line of java code. 2
- ```
Intent ii=new Intent(Home.this, A.class);
ii.putExtra("name", s);
startActivity(ii);
```
- i) If you are said to change the current activity when you click on above button instead of showing the factorial of EditText value then what kinds of code segment you have to change and rewrite in 1(c). 3
  - j) If you are said to change the background of the given apps by your own image then through how many ways you can do it and which one is more preferable and why? 3

-----Boycott French-----Allah Hafij-----