

**POKHARA UNIVERSITY**

Semester Fall

Level: Bachelor

Programme: BCA

Course: Mobile Application Development

Technology

Year : 2020

Full Marks: 70

Pass Marks: 30

Time : 2hrs.

*Candidates are required to give their answers in their own words as far as practicable.*

**Pattern Type Model**

Model Question for Alternative Examinations

Part - A

**Attempt all questions**

(5 X 10 = 50)

1. a) Define the process involved in Mobile Application Development and explain which development environment would you prefer to work for your Next Big Project. [Unit 1 ]
- b) “Java is Platform Independent Language” does this statement say that we can run Android Apps developed using Java on PC computers. Explain. [Unit 2]
- c) Explain the importance of Android Manifest File. Write code of Manifest File for an application “FiApp ”which is used to download files from server and store on files with HomeActivity and Download Activity. [Unit 3]
- d) If you have to build a Register Screen in xml using Relative Layout what are the special attributes that you have to use compulsarily and also the attributes relating only to Relative Layout. Explain each. [Unit 4]
- e) Why is choosing the proper type of thread important for mobile application developers while executing short running and long running tasks? Explain with options available for executing long running tasks. [Unit 5]

OR

Notification is an integral component for mobile applications which directly impacts the user experience according to its type. Justify. [Unit 5]

Part - B

**Attempt all questions**

(2X10=20)

2. a) Suppose you are developing an app that will show the respective toast message whenever the user opens the app, is able to interact with the app and when the app goes on background. Now write the code for the activity and explain with a diagram of the life cycle. [Unit 3]
- b) Write a code of java class that is used to create a database including methods to insert, delete and update student information from student\_info table. For column name and database name feel free to use your own choice. [Unit 7]