



Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN

2024

Bachelor in Computer Applications
Course Title: Mobile Programming
Code No: CACS 351
Semester: VI

Full Marks: 60
Pass Marks: 24
Time: 3 hours

Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions.

[6×5 = 30]

2. What is android? Explain different categories of mobile devices. [1+4]
3. Explain android architecture with suitable diagram. [5]
4. What is difference between android:layout_gravity and android:gravity attribute in linear layout. Create an android application that will convert distance entered into Kilometers into Meters using Table Layout [1+4]
5. Why fragment is needed in android? Write a java code only to send data from one activity to another activity using implicit intent. [1+4]
6. What is menu? Develop an android application to create popup menu having menu item "Edit", "Copy", "Paste", "Redo" and "Undo". [1+4]
7. What is JSON? Develop an android application to display 10 different image of fruit in Grid View with two column [1+4]
8. What do you mean by storyboard? Write a swift program to find largest and smallest number among three number using ternary operator. [1+4]

Group C

Attempt any TWO questions.

[2×10 = 20]

9. Develop an android application to display list of Student (Student name) in ListView and display the student details (student image, roll, name and college) in a Custom Dialog when ListView item is selected. [3+7]
10. Provided that MYSQL database named "Bank" with table named Customer with following columns (account_no, name, account_type and amount). Develop an android application to connect database remotely and display the Customer details in ListView whose deposit amount is greater than 5000. [10]
11. Explain the procedure for generating API key for displaying Google map? Develop an android application to display the Google map with marker TRIBHUVAN UNIVERSITY. [4+6]