National University of Computer and Emerging Sciences

Software for Mobile Devices Sessional-I Exam (SE1003)

Date: September 24, 2024

Course Instructor(s)

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Total Time:	**1 hour**
Total Marks:	**30**
Total Questions:	**2**

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Roll No   Section   Student Signature

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Attempt all questions on the answer sheet

CLO 1: Apply expertise of both frontend design and backend programming to create android mobile apps.

Question 1: Write short answers for the following questions.   **[10 marks]**

i. Write java code to display the message **"Welcome Mid-1 SMD"** using Toast when the fragment is attached with its Activity.

ii. Write java code snippet to open Dialer App upon button click with user provided mobile number. Assume ids of Button and EditText are **"btnCallMe"** and **"etPhoneNum"** respectively.

iii. How can you check the phone's current orientation through java code.

Question 2: Write codes for the following questions.   **[10 marks]**

i. Design winners activity layout for a quiz app. The detailed design is attached. Choose any useful assumptions where are required. Choose any layouts of your choice.

ii. Suppose there was a registration activity in which every user provided their addresses, which are stored in a list of name addressList. Write java code in this way that if a user clicks on any of the winner, google map will display his/her address on it.

iii. Suppose Weekly, Monthly and All Time are three buttons and three fragments of name weekly_frag, monthly_frag and all_time_frag are attached with these buttons. Currently you can see the Weekly button is clicked and weekly_frag is shown. Write java code which will show the respective fragment on any of the buttons clicked.