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SF—09—2022

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (C.S.) (Third Year) (Sixth Semester) EXAMINATION

JUNE/JULY, 2022

(CBCS/Revised Pattern)

COMPUTER SCIENCE

Paper BCS-601

(Mobile Application Development)

(Thursday, 30-6-2022)

Time : 9.30 a.m. to 1.15 p.m.

Time—3.45 Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if required.

1. Attempt any *five* of the following : 15

- (a) Explain AndroidManifest.xml.
- (b) Explain activity life cycle in Android.
- (c) Discuss Alert dialog.
- (d) Explain Web View in short.
- (e) Explain the concept of Shared Preferences.
- (f) Discuss SMS Messaging through android.
- (g) Explain the concept of fragments.

2. Attempt any *three* of the following : 15

- (a) Discuss features of Android Operating System.
- (b) What is toast ? Explain how to create toast in android.

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- (c) How do you insert Google maps in your android application ? Explain in short.
- (d) Explain how to connect the android application with SQLite Database.
- (e) Discuss TimePicker View, DatePicker View in android.
3. Attempt any *three* of the following : 15
- (a) Discuss downloading and parsing Internet Resources in short.
- (b) Discuss the concept of Content, Values and Cursors.
- (c) Explain the following input controls : Radio Buttons, Toggle Buttons.
- (d) What is Activity ? How do you add activity in your android application ?
- (e) What is Mobile Programming ? Discuss in short.
4. Attempt any *three* of the following : 15
- (a) Discuss layout of screen.
- (b) What is intent ? Explain how do you connect two activities with intent ?
- (c) How do you access files in android ? Explain in short.
- (d) Discuss Text Controls.
- (e) Explain android application structure.
5. Write short notes on any *three* of the following : 15
- (a) Android Versions
- (b) Development Framework for Android
- (c) List View
- (d) AutoCompleteText View
- (e) Content Provider.