



CBCS SCHEME

18MCA52

Fifth Semester MCA Degree Examination, July/August 2022 Mobile Applications

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What is Mobile Application? (02 Marks)
- b. Explain in detail about the hardware and software influenced for cost of development of a Mobile Application development. (08 Marks)
- c. Write various market competitors to Android and explain about any two third – party frameworks of Mobile Application development. (10 Marks)

OR

- 2 a. Discuss any five main type of Mobile Application in detail with an example each. (10 Marks)
- b. Explain in detail of your understanding of Mobile Applications users according to Gestalt principles with an example each. (10 Marks)

Module-2

- 3 a. Draw an Android Architecture diagram and explain each layer in detail. (10 Marks)
- b. Describe Anatomy of Android Project structure. (06 Marks)
- c. Illustrate and write the tools and software used to develop an Android application. (04 Marks)

OR

- 4 a. With a neat diagram, explain each phases of activity Life Cycle with a Snippet code. (12 Marks)
- b. Explain View and View Groups in Android Application, with a proper syntax and examples. (08 Marks)

Module-3

- 5 a. Define Fragment. Write the types of Fragments in Android. (04 Marks)
- b. Illustrate the List Fragment with a Snippet Code. (06 Marks)
- c. Discuss in detail, all 5 types of Layout in Android. (10 Marks)

OR

- 6 a. Write a short note on the following :
 - i) Toggle Button view
 - ii) Date Picker view
 - iii) Auto complete Text view
 - iv) Progress Bar view. (12 Marks)
- b. Discuss in detail, how Google Map is used in the Android activity. (08 Marks)

Module-4

- 7 a. Explain in detail, how SMS and E – mail works in Android Application. (12 Marks)
- b. Write a note on the following (any two) :
 - i) Relative view
 - ii) Scroll view
 - iii) Intent
 - iv) Toast. (08 Marks)

OR

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8 = 50, will be treated as malpractice.

- 8 a. Write the code to handle the user preferences selected by user and display the selected preferences either by using alert or toast notification. (08 Marks)
- b. Write a code for Android application to download an image file from the Web. (08 Marks)
- c. Briefly discuss the concept of binding activities to Services. (04 Marks)

Module-5

- 9 a. Draw a neat diagram of Windows Phone 7 storyboard ; where you will have a better conceptual overview of all the views and connection between them in the VTI Exam application form. (10 Marks)
- b. How Windows Phone is distinct from Android? Justify your answer with atleast by discussing 3 feature of Windows Phone. (08 Marks)
- c. What do you understand about the Project structure of Windows Phone? Write in brief. (02 Marks)

OR

- 10 a. Write the differences between iOS and Windows Phone 7. Justify your answer with 3 features of iOS Phone. (08 Marks)
- b. Write Anatomy structure of an iOS App fro iOS Project. (08 Marks)
- c. Write the usage of any two components of iOS Project. (04 Marks)

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