3C3005

MCA III - Sem. (Main / Back) Exam., - 2024
MCA – 305 Mobile Application Development

Time: 3 Hours

Maximum Marks: 70
Min. Passing Marks: 28

Instructions to Candidates:

Attempt all ten questions from Part A. All five questions from Part B and three questions out of five from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing may suitably be assumed and stated clearly. Units of quantities used /calculated must be stated clearly.

Use of following supporting material is permitted during examination. (Mentioned in form No. 205)

1.   NIL _____

2.   NIL _____

[10×2=20]

PART – A

(Answer should be given up to 25 words only)
All questions are compulsory

Q.1   What do you understand by SQLite?

Q.2   What is Map kit?

Q.3   Define Emulator.

Q.4   What are the benefits of filters?

Q.5   What do you mean by objective C?

Q.6   Enlist the steps to publish the Android Application.

Q.7 Write the syntax for intent-filter tag.

Q.8 List all attributes to develop a simple button.

Q.9 What do you mean by Android Stack?

Q.10 What is GPS?

PART – B

[5×4=20]

(Analytical/Problem solving questions)

Attempt all five questions

Q.1 Discuss about fragments and intents.

Q.2 Discuss about linking activities using intents.

Q.3 Discuss the need of permissions in android. Describe the permissions to set system functionalities like Bluetooth and Camera.

Q.4 How to integrate calendar and address book with social media application? Explain.

Q.5 Explain about persisting data to files using core data.

PART – C

[3×10=30]

(Descriptive/Analytical/Problem Solving/Design Questions)

Attempt any three questions

Q.1 Describe the Android architecture in detail.

Q.2 Describe the significance of SQLite database in Android.

Q.3 Explain various quality constraints to be considered for mobile applications.

Q.4 How does KOTLIN work on Android? Explain with suitable example.

Q.5 How to access application hosted in cloud computing environment? Explain in detail.