

Reg. No.

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B.E./ B. TECH.DEGREE EXAMINATIONS, MAY 2023

Fifth & Seventh Semester

OE18805 – Foundation on Mobile App Development*(Common to all branches except IT)***(Regulation2018)****TIME:3 HOURS****MAX. MARKS: 100**

| COURSE OUTCO MES | STATEMENT | RBT LEVEL |
|------------------------|--|--------------|
| CO 1 | Describe the requirements for mobile applications. | 2 |
| CO 2 | Identify the challenges in mobile application design and development. | 3 |
| CO 3 | Design mobile applications for specific requirements. | 3 |
| CO 4 | Interpret an appropriate design using Android SDK. | 4 |
| CO 5 | Implement the design using Objective C and iOS & Operate mobile applications in Android and iPhone marketplace for distribution. | 4 |

PART- A(10x2=20Marks)*(Answer all Questions)*

| | CO | RBT LEVEL |
|---|----|--------------|
| 1. Indicate the necessity of RTOS. | 1 | 2 |
| 2. List out the essential task involved in publishing a mobile application. | 1 | 2 |
| 3. Predict the importance of finger tap. | 2 | 3 |
| 4. Discuss the advantages and disadvantages of 2-tier architecture. | 2 | 2 |
| 5. Describe the role of GPS in android devices & its features. | 3 | 2 |
| 6. Show the access control in cloud computing. | 3 | 3 |
| 7. Discover the need for Wi-fi in Google map. | 4 | 3 |
| 8. Identify the popularity of android mobile applications. | 4 | 2 |
| 9. Summarize the term Grand central Dispatch. | 5 | 2 |
| 10. Show the usage of Touch Framework. | 5 | 3 |

PART- B (5x 14=70Marks)

| | Marks | CO | RBT LEVEL |
|---|-------|----|--------------|
| 11. (a) Discuss in detail the working of various model used in application development with neat diagram. | (14) | 1 | 2 |

(OR)

- (b) Describe the checklist to be adapted while launching an android application. (14) 1 2
12. (a) Determine with an example about the touch events and gestures in mobile application development. (14) 2 3

(OR)

- (b) Interpret the significance of quality in mobile applications also narrate the various constrains in designing an application in mobile. (14) 2 3
13. (a) Demonstrate the steps involved in customization of web app. (14) 3 3

(OR)

- (b) Construct the steps involved in designing interactive media player for audio and video file. (14) 3 3
14. (a) Articulate the various stages involved in the android activity life cycle. (14) 4 3

(OR)

- (b) Sketch a student enrollment activity for an android application by incorporating different types of view and view group. (14) 4 3
15. (a) Deduce in detail about the data persistence using core data and SQLite in mobile application. (14) 5 4

(OR)

- (b) Outline the design methodology involved in developing address book with social media application. (14) 5 4

PART- C(1x 10=10Marks)

(Q.No.16 is compulsory)

- | | | Marks | CO | RBT
LEVEL |
|-----|---|-------|----|--------------|
| 16. | Outline the deployment issues of mobile applications in android and iPhone. | (10) | 5 | 4 |
