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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA III Year I Semester Regular & Supplementary Examinations Nov/Dec 2019
MOBILE APPLICATION DEVELOPMENT

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a What is virtual device and SDK manager? Explain. **6M**
b What is Dalvik Virtual Machine? **6M**

OR

- 2 a Discuss about Life Cycle of Fragment. **6M**
b What is intent? How many different intent types are there? **6M**

UNIT-II

- 3 a Explain about Relative Layout with example. **6M**
b Explain Frame Layout with Example. **6M**

OR

- 4 a Explain Event handling. **5M**
b Write a program to display the Messages through Toast. **7M**

UNIT-III

- 5 a Explain Progress Bar control with an example program. **6M**
b Write a program to create a Login Form and display using toast. **6M**

OR

- 6 a Explain Image Views to display pictures in Android Mobile. **6M**
b Explain about Grid View with example. **6M**

UNIT-IV

- 7 a Demonstrate use of Toggle Button class with example. **6M**
b How to provide database connection using SQLite database. **6M**

OR

- 8 a Write an android application for login form using SQLite database connectivity **7M**
b What is Content Provider? What are the Operations supported by a Content Provider? **5M**

UNIT-V

- 9 a How do you notify an activity from a Broadcast Receiver? **6M**
b How to Run Repeated Tasks Using the Timer Class? Explain. **6M**

OR

- 10 Exporting your application as an APK file and signing it with a new Certificate. Explain. **12M**

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