

Reg. No:

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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech IV Year I Semester Regular Examinations February-2022
MOBILE APPLICATION DEVELOPMENT
(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 60

PART-A

(Answer all the Questions 5 x 2 = 10 Marks)

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|---|------------------------------------------------------|----|----|
| 1 | a What is Dalvik Virtual Machine? | L1 | 2M |
| | b What is Frame Layout | L1 | 2M |
| | c Differentiate between Data Picker and Time Picker. | L4 | 2M |
| | d Explain briefly about Projection? | L2 | 2M |
| | e Define Broadcast Receiver? | L2 | 2M |

PART-B

(Answer all Five Units 5 x 10 = 50 Marks)

UNIT-I

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|---|-----------------------------------------------------------------------------------|----|----|
| 2 | a Briefly explain versions of Android and the features of Android. | L2 | 5M |
| | b Create android application to perform the addition of any two numerical digits. | L3 | 5M |

OR

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| 3 | Describe the life cycle of an Android activity with a neat sketch? | L3 | 10M |
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UNIT-II

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| 4 | Explain Different Layouts available in Android. Explain with Example. | L2 | 10M |
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| 5 | a Write a Code to hide and display the Action Bar on Android Emulator | L3 | 5M |
| | b Explain Frame Layout with Example? | L2 | 5M |

UNIT-III

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| 6 | a Write a program to create a Login Activity using Basic Views. | L3 | 5M |
| | b Explain Progress Bar control with an example program? | L2 | 5M |

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| 7 | Differentiate List View and Spinner View. Using the Spinner View, Write a Program to Display One Item at a Time. | L4 | 10M |
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UNIT-IV

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| 8 | a How to Save Data using the Shared Preferences Object. Explain? | L1 | 5M |
| | b Write a code to store online in a file that resides in sd-card? | L3 | 5M |

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| 9 | Demonstrate use of the Toggle Button class with example. Play Music on the toggle on and music off on the toggle off. | L4 | 10M |
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UNIT-V

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| 10 | Discuss the two ways in which you can send SMS messages in your Android application. | L2 | 10M |
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|----|------------------------------------------------------------|----|----|
| 11 | a How do you notify an activity from a Broadcast Receiver? | L1 | 5M |
| | b Write a code for Sending E-Mail in Android? | L3 | 5M |

END