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| **ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27** |
| **B.C.A –VI SEMESTER** |
| **Special Supplementary Examination, JUNE 2019** |
| **CA6415- Mobile Applications** |
| **Time- 2 1/2 hrs** |  | **Max Marks-70** |
| Supplementary candidates only. |
| **This paper contains one printed pages and three parts** |
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**PART A**

**Answer All the Questions. 10 \* 2=20**

1. What is android? Write any two characteristics.
2. Write the challenges faced in Android app development.
3. Write the steps for creating the Virtual device.
4. Define a) View b) View group
5. Write XML attributes of text view.
6. What is Activity navigation?
7. How do you manage tasks and activities?
8. Explain evaluation of expressions for variables.
9. What is SD card?
10. What are Broadcast Intents?

**PART B**

**Answer any FIVE. 5\*6=30**

1. Explain files associated with build.gradle.
2. With neat diagram, show the major components of Android stack.
3. Explain Android project structure in deatil.
4. Explain how to implement audio and video in mobile apps.
5. How Onclick listener can be used for button control?
6. What is a menu? Give an example.
7. Explain in detail about toast syntax with an example.

**PART C**

**Answer any TWO. 2\*10=20**

1. Create an activity that can calculate three arithmetic operations implementing button,textview,edittext

 19. Differentiate Radio button and Check box with suitable program example.

 20. List and Explain the Resource files.