Reg. No.. Name...................................... **18U511**

B. C. A. DEGREE END SEMESTER EXAMINATION OCTOBER / NOVEMBER 2018

SEMESTER – 5 : BACHELOR OF COMPUTER APPLICATIONS (CORE COURSE)

COURSE: 16U5CRBCA15 : ADVANCED ANDROID

(For Regular - 2016 Admission)

Time: Three Hours   Max. Marks: 75

Section A
Answer all   (1 marks each)

1. Which service offers client –server interface to communicate with service?
2. Which file declares parcelable class?
3. Write a code to add a resource Drawable to an Image View in the XML Layout.
4. Write steps to enable built in animations when adding, removing or updating child views in a layout.
5. How to create a thread?
6. Explain about Main thread.
7. Explain about tag in XML document.
8. Which class is used to create array using java library for JSON?
9. What is the significance of Permission in Android Application Development?
10. What is In-App Billing?

$(1 \times 10 = 10)$

Section B
Answer any 8 (2 marks each)

11. How to change proxy settings in Android Studio.?
12. Give the manifest permission tag to vibrate your phone to notify about new message .
13. Elaborate the role of bitmaps in android animation.
14. Briefly describe about Ninepatch drawable class
15. Describe briefly about UI thread.
16. Explain about Web View and View Port in android.
17. Explain the properties of viewport meta tag.
18. What is the significance of HEAD method in HTTP request?
19. Describe System permission.
20. Describe Signature permission.

$(2 \times 8 = 16)$

Section C
Answer any 5 (5 marks each)

21. Write a note on Surface View
22. Write steps to create notification.
23. What are the different types of Animations in Android?

24. Illustrate the different ways to post task to UI thread.
25. Briefly explain the benefits of threading in Android.
26. Demonstrate the steps to add WebView in an application.
27. Describe briefly about Application level security.

(5 x 5 = 25)

Section D
Answer any 2 (12 marks each)

28. Explain Android graphics components and graphics API.
29. Illustrate how to post task to UI thread using Async<> class.
30. Explain about consuming JSON services in android with an example.
31. What are the basic security features provided in Android?

(12 x 2 = 24)