B. C. A. DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023
SEMESTER 5 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : **19U5CRBCA16 : ADVANCED ANDROID**
(For Regular 2021 Admission and Supplementary 2020 / 2019 Admissions)

Time : Three Hours   Max. Marks: 75

PART A
Answer All (1 mark each)

1. Define parcelable interface.
2. List any four protected API permissions.
3. Describe about user interface optimization.
4. List out the method is used to setup new bitmap.
5. List out the building blocks of SOAP.
6. Define process.
7. What is a web service?
8. Discuss about the significance of bitmap API.
9. Explain how to send a DELETE request using HttpURLConnection.
10. Explain about how to create a thread.

(1 x 10 = 10)

PART B
Answer any 8 (2 marks each)

11. Explain how to instantiate the parser.
12. Explain about Web View and View Port in android.
13. Give manifest tag to assign permission to use telephony service .
14. Describe briefly about In-App billing.
15. Describe normal permission.
16. Describe briefly about UI thread.
17. Define the elements of frame animation.
18. Explain the significance of SOAP response.
19. Describe about Window Manager.
20. How to change proxy settings in Android Studio?

(2 x 8 = 16)

PART C
Answer any 5 (5 marks each)

21. Explain how to establish HttpURLConnection.
22. Illustrate the steps to add In-App billing in your application.
23. Demonstrate the steps to add WebView in an application.
24. Explain about thread switching.
25. Explain about the communication protocol available in Android.
26. Illustrate how to create notification in Android.
27. Explain the different types of animations in Android.

(5 x 5 = 25)

PART D
Answer any 2 (12 marks each)

28. Discuss about the different types of Views for animations in Android.

29. Explain the different process levels and thread types.

30. Explain how to send and receive SMS using broadcast receiver.

31. Explain in detail the types of permissions in Android.

(12 x 2 = 24)