

21U474

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Name:

Reg. No.....

FOURTH SEMESTER B.Voc. DEGREE EXAMINATION, APRIL 2023

(Information Technology – Skill Component Course)

CC21U SDC4 LS12 – EMBEDDED LINUX OS AND ANDROID PROGRAMMING

(2021 Admission - Regular)

Time: 2.5 Hours

Maximum: 80 Marks

Credit: 4

PART A (Short answer type)

Answer *all* questions. Each question carries 2 marks.

1. What is MCU?
2. What is OpenSource?
3. Describe XFS.
4. What is Yocto?
5. What is a thread?
6. Discuss the uses of manifest file in android.
7. Describe service in Android.
8. Analyze string resource.
9. Analyze the role of content provider.
10. Design the concept of Adapter.
11. Design the concept on Image Button.
12. Write short note on Mapview control.
13. Examine the term Icon menu.
14. Analyze the concept of Dialog Box.
15. Illustrate the features of SQLite database.

(Ceiling: 25 Marks)

PART B (Paragraph type questions)

Answer *all* questions. Each question carries 5 marks.

16. Explain types of linux file system.
17. What are the main difference between embedded Linux and RTOS?
18. Explain Buildroot with its advantages and disadvantages.
19. Compose a note on Date and Time control.
20. Inspect the term Alert Dialog.
21. Analyze the concept of sub menu in Android.
22. Explain the difference between explicit intent and implicit intent.
23. Explain the structure of an android program.

(Ceiling: 35 Marks)

PART C (Essay type)

Answer any *two* questions. Each question carries 10 marks.

24. Explain Kernel initialization and its steps.
25. Explain Process scheduling.
26. Explain any ten Android Java packages.
27. Explain the structure of android project.

(2 × 10 = 20 Marks)
