

20U351

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Name:

Reg.No:

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U FTL3 A12B - INFORMATICS AND EMERGING TECHNOLOGIES

(Food Technology - Common Course)

(2019 Admission onwards)

Time : 2.5 Hours

Maximum : 80 Marks

Credit : 4

Part A (Short answer questions)

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

1. What is VDU?
2. What is scientific database?
3. What is WLL?
4. What is DAMPS?
5. What is the working principle of optical fiber?
6. Describe Class 1M Laser.
7. Give two applications of laser in industrial field.
8. Write two good password practices.
9. Give two internet access methods?
10. What is cyber crime cell?
11. What is biometrics?
12. What is Face Recognition?
13. What is meant by recognizing persons by their iris pattern?

14. What is Automatic online signature verification?
15. What is meant by identification of faces and body parts?

(Ceiling: 25 Marks)

Part B (Paragraph questions)

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

16. Write about different generations of computers.
17. What is WAP? Explain.
18. Write a note on radio LANs.
19. Write about industrial application of optical fiber in power transmission.
20. Explain the applications of holography in art, data storage and security.
21. What is CIA triad? Explain.
22. Explain about two Security attacks on IT Systems.
23. Write a note on E-mail Security.

(Ceiling: 35 Marks)

Part C (Essay questions)

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

24. What is Operating System? What are the functions of Operating System? Discuss the different types of Operating Systems.
25. Explain about Smart Phones, mobile Operating Systems and elementary ideas on smart phone applications.
26. Describe the working of Digital Signature? Explain about various applications of Digital Signature.
27. Explain about multimodal biometrics and smart card based authentication.

(2 × 10 = 20 Marks)
