

23U356

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Name: .....

Reg.No: .....

**THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2024**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U FTL3 A12B - INFORMATICS AND EMERGING TECHNOLOGIES**

(Food Technology - Core 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 Personal Computer?
2. What is a Hard disk?
3. What is scientific database?
4. What is digital signal?
5. Explain mobile operating system.
6. What are optical fibers?
7. Give two industrial application of optical fiber.
8. Give two applications of laser in scientific field.
9. Write two applications of Holography.
10. What is meant by Cyber Security?
11. What is Spyware?
12. What is social networking service?
13. List two ways to manage your browser.
14. What is biometrics?
15. What is Speaker recognition ?

**(Ceiling: 25 Marks)**

**Part B** (Paragraph questions)

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

16. What is an operating system?What are the functions of operating system?
17. Describe Microwave LANs.

18. Write about the applications of laser inscientific field.
19. Write a note online shopping fraud.
20. What is network security? Explain some Network security tips.
21. Write a note on fingerprint verification.
22. Write note on Hand geometry based verification.
23. Write a note on automatic online signature verification.

**(Ceiling: 35 Marks)**

**Part C (Essay questions)**

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

24. What is a personal computer? Discuss the important parts and features of a computer system.
25. Explain about the evolution of mobile telephone technology.
26. Write note on Information Technology Act, 2008.
27. What is Multimodal biometrics? What are the various modules of Multimodal biometrics?

**(2 × 10 = 20 Marks)**

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