

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.

B.C.A - END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER - V

24UCAET5B01 - Internet of Things

Total Duration : 1 Hrs. 30 Mins.

Total Marks : 40

Section B

Answer any **TEN** questions ($10 \times 2 = 20$ Marks)

1. What is Shannon information theory?
2. What is cloud?
3. What is microcontroller?
4. List the types of stranding in wiring.
5. List some future IOT Apps.
6. What is edge computing?
7. What is a potential solution to head-of-line blocking in networking?
8. Define twisted pair cable.
9. Describe TCP/IP Protocol.
10. Define virtual machine.
11. Describe backplane.
12. Describe the cabling security.

Section C

I - Answer any **FOUR** questions ($4 \times 5 = 20$ Marks)

13. Differentiate between switched networks and packet networks.
14. Explain about Dragon board Sensor system.
15. Explain the Air interface.
16. Explain the functions of routers.
17. Illustrate Time-Domain Reflectometry (TDR).
18. Explain IOT architecture.
