



21102640

QP CODE: 21102640

Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

First Semester

B.Sc Mathematics Model II Computer Science

**Vocational Course - CA1VOT03 - COMPUTER SCIENCE - COMPUTER
FUNDAMENTALS**

2017 Admission Onwards

6364BAB8

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Write four characteristics of a digital computer.
2. How work stations differ from a main frame computer?
3. Convert (239)₁₀ to binary.
4. Convert (A4)₁₆ to decimal number.
5. What are sequential access devices?
6. What are the functions of control unit?
7. What are the two categories of software?
8. Define program.
9. What are the symbols of flowchart?
10. What is Bus topology?
11. What is NIC?
12. What is Telnet?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*



13. Write a short note on laptop computers and desktop computers.
14. Write a short note on mainframe computers and super computers.
15. Define number systems. What are the different types of number systems?
16. Convert the following number using shortcut method. (i) $(325)_8 = ()_2$ (ii) $(2A1)_{16} = ()_2$
17. Draw and explain logical organisation of a computer.
18. Explain briefly any 4 input devices.
19. Explain software development life cycle.
20. Write a note on WAN and MAN.
21. Discuss about optical fibers.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain in detail about various computer generations.
23. Explain computer codes with the help of table (BCD, EBCDIC, ASCII).
24. Explain output devices.
25. Explain language processors.

(2×15=30)