QP CODE: 23104833

23104833

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, FEBRUARY 2023

First Semester

B.Sc Mathematics Model II Computer Science

Vocational Course - CA1VOT03 - COMPUTER SCIENCE - COMPUTER FUNDAMENTALS

2017 Admission Onwards

0E606D4A

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Define computer.
2. What are mini computers?
3. Convert (11010)2 to decimal.
4. Define ASCII.
5. What are sequential access devices?
6. What is ALU?
7. Define software. Give example.
8. What is Linker?
9. What is an Algorithm?
10. What are the basic elements of a communication system?
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 mainframe computers and super computers.

14. Discus about workstations.

15. Define number systems. What are the different types of number systems?

16. Convert the following numbers to decimal. (i) (11010)2 (ii) (441)8 (iii)(23C)16 (iv)(17)16

17. Briefly explain point and draw devices.

18. Write a short note on monitors that are available in todays market.

19. Write a flowchat to to calculate and print the percentage of 50 students.

20. Write short notes on microwave system andcommunication satellite.

21. Discuss any two topologies in network.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain in detail about various computer generations.

23. Convert the following to its corresponding equivalent as directed. a) (110001.100)2 = (……..)10 b) (234)8 = (…...)10 c) (1130)10 = (…….)8 d) (2F3)16 = (…….)8 e) (5261)8 = (……..)16

24. Explain logical organisation of a computer with neat diagram.

25. Explain software development life cycle.

(2×15=30)