

**First Year B.Sc (MRT) Degree Regular/Supplementary Examinations
March 2022**

Computer Science

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essay

(2x20=40)

1. Explain in detail with suitable example about the primary and secondary storage of computer. What are the different types of OS, explain each with example.
2. What are the different type of operators in C. Write a C program to generate Fibonacci series of length 'N'.

Short notes:

(8x5=40)

3. What are the functional units of digital computer.
4. What are the differences between multi processors and multi computers.
5. List out the components of an operating system.
6. Wired and wireless technologies used in LAN.
7. How is variables are declared and initiated in C.
8. Different types of functions.
9. Types of IPR and its advantages.
10. Explain with suitable example the significance of telemedicine in e-health care.

Answer briefly:

(10x2=20)

11. List 5 parts of a PC.
12. What is an algorithm.
13. List four file handling commands in DOS.
14. Explain batch processing.
15. Explain ternary operators in C.
16. What are global variables.
17. Explain the significance of IP address.
18. PACS.
19. Two advantages of networking.
20. Explain e-prescribing.