First Year B.Sc (MRT) Degree Regular/Supplementary Examinations August 2019

Computer Science

Time: 3 Hours   **Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay   **(2x20=40)**

1. Explain single and multi-dimensional arrays in C with examples. Write a C program to find to sort names of 'N' students stored in an array.

2. Explain different types of viruses and security mechanisms to protect resources from viruses. Explain different applications of health information technology and highlight the opportunities and challenges

Short notes: **(8x5=40)**

3. What are the differences between time sharing and real time system.

4. What are the three different types of programming languages.

5. Difference between structure and union data type.

6. Differentiate pass by reference and pass by value in C

7. Any five DOS commands with examples each

8. Different class storage labels and its uses.

9. Intranet and extranet

10. Plagiarism and its consequences in e-publishing.

Answer briefly: **(10x2=20)**

11. List out five I/O devices

12. What is time sharing

13. Give examples for system software and application software

14. List four file handling commands in Linux

15. List four data types in C

16. What is batch processing

17. What is Enum data type in C

18. List two popular web servers and web browsers

19. Patient portals with example

20. World Wide Web

****