

First Year B.Sc (MRT) Degree Examinations August 2017

Computer Science

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x20=40)

1. Compare and contrast different types of computer networks. Explain in detail the components of an operating system. (10+10)
2. Explain two types of parameter passing in C language. Describe a C program to sort 'n' numbers stored in an array in ascending order. (10+10)

Short notes:

(8x5=40)

3. Advantages of computer networking.
4. Compare and contrast intranets and extranets.
5. Difference between multi-programmed and time shared systems.
6. Explain with example two pre-processor directives in C programming.
7. Use of auto and extern variables in C programming.
8. Firewall and its types.
9. Enumerate HIT advantages and challenges.
10. Viruses and its types.

Answer briefly:

(10x2=20)

11. Time sharing OS
12. List four web browsers
13. Why do we convert high level language to a low level language.
14. Telemedicine
15. Use of proxy server.
16. Multiprocessor system
17. List two advantages of wireless networks.
18. E-Commerce
19. Define ternary operators.
20. Web server
