

First Year B.Sc (MRT) Degree Examinations - July 2015

Computer Science

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x20=40)

1. Describe the salient features of computers in the fourth generation. Mention the features distinguish them from computers of the earlier generations.
2. What statements are available in the C programming language for specifying iterative computations

Short notes:

(8x5=40)

3. Explain the interaction between the CPU and arithmetic and logic unit of the computer
4. Mention an example of a time sharing OS. How did time sharing operating systems evolve
5. Explain the syntax and working of the DIR/S command in MSDOS
6. C language is rich in operators. Explain this statement
7. How structs are composed in C
8. A pointer in C is defined to point to a char variable. Can this pointer be used to address other variables
9. What is the cyber law existing in India and when it was enacted
10. Mention any two examples of patient portals

Answer briefly:

(10x2=20)

11. Hybrid computer
12. What is a relational DBMS
13. Strings using pointers in C
14. Enum data type in C
15. Uses of MS-power point
16. Auto variables in C
17. Stack data structure in C using arrays
18. External command in DOS
19. How the internet is different from the world wide web
20. What is HTTP