

First Year B.Sc (MRT) Degree Supplementary Examinations March 2020

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 example different control structures in C with suitable example for each.
2. • What are the different types of computer networks (10)  
• What are the components of an Operating System (10)

Short notes:

(8x5=40)

3. What are the functional units of digital computer
4. What are the services provided by an OS.
5. Explain primary key and foreign key in DBMS.
6. What are the major differences between LAN and WAN.
7. Explain the difference between call by value and call by reference
8. Conditional control statements in C, give example for each.
9. Advantages of computer networking.
10. Explain with suitable example the significance of telemedicine in e-health care

Answer briefly:

(10x2=20)

11. Explain kernel of an OS
12. Explain multiprogramming, what are the advantages
13. Explain a nested loop in C programming language
14. Explain an infinite loop
15. Explain a constant
16. Enlist the advantages of DBMS.
17. Functions of a proxy server
18. Why do we convert high-level language to a low level language
19. Explain e-prescribing.
20. Differences between Internet and intranet.

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