

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

SEMESTER EXAMINATIONS

APRIL – 2017

11CC06G/11CIS1A/11CBA3C

COMPUTER SYSTEMS AND ELEMENTS OF PROGRAMMING

Time : 3 Hrs

Max. Marks : 75

SECTION-A (10 x 2 = 20)

Answer ALL questions.

1. Define – CPU.
2. Mention the different parts of a Computer System.
3. What is DeMorgan's Law?
4. Define the term – Gate.
5. What is meant by Computer Program?
6. Define the term – Structured Programming.
7. Define – DBMS.
8. What is Interpreter?
9. Define the term – Protocol.
10. What is Internet?

SECTION-B (5 x 5 = 25)

Answer any FIVE of the following questions.

11. Discuss on the characteristics of Input and Output devices.
12. Describe the different kinds of Memories.
13. Explain the types of Logic Gates.
14. Write short notes on basic Theorems and Properties of Boolean algebra.
15. Discuss on Procedure – Oriented Programming and Object – Oriented Programming
16. Explain the features of Operating System and Compilers.
17. Describe the importance of Word Processor and Spreadsheet software.
18. Discuss on the method of Sending and Receiving E – mail.

SECTION-C (3 x 10 = 30)

Answer ALL questions.

19. (a) Explain characteristics of Computer and Types of Computers.
(Or)
(b) Describe the classification of Digital Computer Systems and Anatomy of Digital Computer.
20. (a) Write a detailed note on Number system and its Base conversions.
(Or)
(b) Explain the characteristics of Machine, Assembly and High level languages.
21. (a) Discuss on different types of Computer Networks and Network Topologies.
(Or)
(b) Describe the organization of WWW and the method of Internet Addressing.