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

**SEMESTER EXAMINATIONS**

 **APRIL – 2016 11CCO6G / 11CBA3C**

 **11CIS1A**

***COMPUTER SYSTEMS AND ELEMENTS OF PROGRAMMING***

**Time: 3 Hrs Max. Marks: 75**

**SECTION – A (10 X 2 =20)**

**Answer ALL the questions.**

1. Distinguish between Hardware and Software.
2. Define the term – CPU.
3. What is meant by Base of a number system?
4. Define De Margon’s Law.
5. What is Structured Programming?
6. Name any two High Level languages.
7. Distinguish between Compiler and Interpreter.
8. What is meant by Presentation Graphics?
9. Define W W W.
10. What is E - mail?

**SECTION – B (5 X 5 =25)**

**Answer any FIVE of the following questions.**

1. Describe the various types of computers.
2. Discuss on different types of Memory Units.
3. Explain briefly the procedure of Base conversion in Number systems.
4. Write short notes on Basic Theorems and Properties of Boolean algebra.
5. Differentiate Machine, Assembly and High – level languages.
6. Describe the characteristics of Operating Systems.
7. Explain the importance of Spreadsheet and Database Management System.
8. Discuss the role of Computers in Society.

**SECTION – C (3 X 10 =30)**

**Answer ALL the questions.**

19. a) Explain the classification on Digital Computer systems and its characteristics.

 (Or)

 b) Discuss on the characteristics of various Input and Output devices.

20. a) Describe the importance of different types of Logic gates and its functions.

 (Or)

 b) Explain the concept of Procedure – oriented and Object – oriented programming in detail.

21. a) Discuss the different types of Networks and the Network topology.

 (Or)

 b) Describe the concept of Internet and Internet addressing procedure.

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