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D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1
SEMESTER EXAMINATIONS
NOVEMBER - 2017
COMPUTER SYSTEMS AND ELEMENTS OF PROGRAMMING

15CIS1A

Time : 3 Hrs

Max.Marks : 75

SECTION-A (10 x 2 =20)

Answer ALL the questions.

1. What is a Logic Machine?
2. State the functionality of AND logic.
3. What is Main Memory?
4. Give two examples of an Output Device.
5. What is a Machine Code?
6. What are Mnemonics?
7. Define a Compiler.
8. What is an Operating System?
9. Define Internet.
10. What is a browser?

SECTION-B (5 x 5 =25)

Answer any FIVE of the following questions.

11. Write a note on different Logic Applications.
12. Explain the parts of a CPU.
13. Write a note on Computer Peripherals.
14. Explain briefly about Object Oriented Programming.
15. Briefly explain about the System Development Programs.
16. Write shortly about device Drivers and System Utilities.
17. Write a note on the advantages and disadvantages of E-mail.
18. Explain the types of Internet Connection.

SECTION-C (3 x 10 =30)

Answer ALL the questions.

19. (a) Explain in detail about the Logic Transformations.

(Or)

(b) Convert the following:

- (i). $(140)_{10} = (?)_2$
- (ii). $(110011)_2 = (?)_{10}$
- (iii). $(ACD)_{16} = (?)_2$
- (iv). $(762)_8 = (?)_2$
- (v). $(1101.11)_2 = (?)_{10}$

20. (a) Describe the classifications of Programming Languages.

(Or)

(b) Explain the different types of Application Software Packages.

21. (a) Discuss about MS-DOS Operating System.

(Or)

(b) Explain about the Client and Server Technology.

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