ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE

B.E. / B.TECH. DEGREE EXAMINATIONS : NOV / DEC 2011

REGULATIONS : 2008

FIFTH SEMESTER - CSE

080230018 - PC HARDWARE AND TROUBLE SHOOTING

Time : 3 Hours   Max.Marks :100

PART - A

(10 x 2 = 20 MARKS)

ANSWER ALL QUESTIONS

1. What is meant by Interrupt Service Routine (ISR)?
2. What are the types of Operating systems? Give one example for each type.
3. Draw the block diagram for CRT display monitor.
4. Define the term DVD.
5. Differentiate between Hardware and Software Interface.
6. List the main units of inside the system box?
7. What is preventive maintenance?
8. What are the steps to be taken on finding a Virus?
9. How can we classify faults? Why do we need such classifications?
10. List the steps involved in systematic trouble shooting.

PART - B

(5 x 16 = 80 MARKS)

ANSWER ALL QUESTIONS

11 (a) Explain in detail about the Control Unit (CU) with neat block diagram.

(OR)

11 (b) Discuss about the following:

    (i)   Virtual memory   (8)

    (ii)   Cache memory   (8)

12 (a) Describe about the Printer and its types in detail.

(OR)

(b) Explain in detail about the Hard Disk Drive (HDD) and its types.

13 (a) Explain in detail about the PC family and PC hardware with neat functional diagram.

(OR)

(b) Draw the block diagram for Motherboard Logic and explain it in detail.

14 (a) Explain in detail about the PC assembling and integration.

(OR)

(b) Discuss about the Disk Operating System(DOS) and how it gets control with activation sequence.

15 (a) Explain in detail about the multidimensional view to be applied in Fault Diagnosis.

(OR)

15 (b) Explain in detail about the Fault Elimination process.

*****THE END*****