**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**CS T72 - COMPUTER HARDWARE AND NETWORK TROUBLESHOOTING**

**UNIT - I**

**PARTA (2 Marks)**

1. Define Personal Computer (PC)?
2. Draw the data flow diagram inside the PC?
3. What is processor? (NOV 2013)
4. Define system clock? (NOV 2013)
5. Write the Microprocessor Types and Specifications? Processor Types
6. What is meant by Power Management?
7. Explain the history of PC?
8. Differentiate hardware and software?
9. Define Processor Codenames?
10. What are the two types of hardware interrupts (NOV 2010)
11. List the type of switching logic control in SMPS? (NOV 2010)
12. What is BIOS? (APR 2011), (NOV 2012)
13. List any four components of Mother Board? (APR 2011)
14. Expand SMPS, DMA? (APR 2012)
15. What are the types of memory? (APR 2012)
16. List out the Hardware components of PC? (NOV 2012)
17. Define computer? (NOV 2012)
18. What is meant by cache memory? (NOV 2012)
19. Why is the maximum value in decimal that can be represented by an eight bit binary number?( NOV 2014)
20. If the number of bits in MAR is 10, what is the maximum memory capacity? (NOV 2014)

**PART B (11 Marks)**

1. Explain briefly about History of the PC. (Ref.Pg.No.6,Qn.No.1)
2. Draw the functional Block diagram of the PC and explain its parts (APR 2011) (Ref.Pg.No.8,Qn.No.2)
3. Explain briefly about data flow inside the PC. (Ref.Pg.No.11,Qn.No.3)
4. Explain briefly about Microprocessor Types and Specifications (NOV 2013) (NOV 2014). (Ref.Pg.No.12,Qn.No.4,5,6)
5. What is Cache memory? Explain in detail. (Ref.Pg.No.13,Qn.No.7)
6. Explain the features of Processors. (NOV 2014) (Ref.Pg.No.14,Qn.No.8)
7. Explain the Following : a) System Management Mode b) Super Scalar Execution c) Dynamic Execution d) Dual Independent Bus (DIB) e) Hyper-Threading f) Dual and Multi-Core Technology. (Ref.Pg.No.14,Qn.No.9)
8. Explain with neat diagram socket and slot types of Intel‘s Pentium and core processors and AMD K6 to K8 processors. (Ref.Pg.No.17,Qn.No.10)
9. Describe the classification of computer? (NOV 2012) (Ref.Pg.No.19,Qn.No.11)
10. Briefly explain the terminologies of the processor (NOV 2012) (Ref.Pg.No.19,Qn.No.12)
11. Describe in detail about computer room preparation (NOV 2013) (Ref.Pg.No.20,Qn.No.13).
12. Describe the DMA Architecture of the PC in detail? (NOV 2010) (Ref.Pg.No.21,Qn.No.14)
13. Explain in detail about computer mnemonics. (APR 2012) (Ref.Pg.No.22,Qn.No.15)