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DMI-ST. EUGENE UNIVERSITY
DEGREE EXAMINATION – DECEMBER – 2022

SEM: II 351SE 43 PC HARDWARE & TROUBLESHOOTING

Time: 3 Hours

Max. Marks: 100

Answer any Five questions (5 x 20 = 100 Marks)

1. a) Define a computer memory? (5 marks)
b) Why does a computer need a memory? (5 marks)
c) State the types of memory. (5 marks)
d) Differentiate primary memory and secondary memory. (5 marks)
2. a) Define a peripheral device? (5 marks)
b) List at least 5 peripheral devices and state their functions. (10 marks)
c) Device a display adaptor. (5 marks)
3. a) What is the BIOS? (5 marks)
b) Explain the functions of the BIOS. (10 marks)
c) State the function of a CPU clock. (5 marks)
4. a) What is PC installation? (5 marks)
b) State and explain the types of PC installation. (10 marks)
c) How is the software installation planned? (5 marks)
5. a) Why do computers get problems? (5 marks)
b) List at least 10 main computer problems. (10 marks)
c) How can a user diagnose a CMOS battery failure? (5 marks)
6. a) Describe the motherboard. (10 marks)
b) What is a CPU wait state? (10 marks)
7. a) Name and explain the different file formats used in Computers today. (10 marks)
b) What is a Peripheral Interface Controller (PIC)? (4 marks)
c) State and explain the advantages of a PIC. (6 marks)