# END SEMESTER EXAMINATION

**SEMESTER – VI (SIXTH)**

**COURSE CODE : CSE-601** | **DURATION : 3 (THREE)HRS**

**COURSE TITLE : COMPUTER TROUBLESHOOTING AND MAINTENANCE** | **MAXIMUM MARKS : 50**

**PASS MARKS : 35 %**

**SESSION : JUL-DEC'2021**

*NOTE:* *1. Attempt any 5(Five) Questions.*
*2. Marks for each question is shown against it.*
*3. Assume suitable logical data wherever necessary.*

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|---|---|---|---|
| **1.** | **(a)** | Give an introduction to processor? | **(3)** |
| | **(b)** | Describe the basic elements of a processor? | **(4)** |
| | **(c)** | List three characteristics of a main memory? | **(3)** |
| | | | |
| **2.** | **(a)** | Write a short note on Fetch-Execution Instruction cycle? | **(5)** |
| | **(b)** | Differentiate between SRAM and DRAM? | **(5)** |
| | | | |
| **3.** | **(a)** | Write about the following special purpose registers:<br>i) MAR ii) MBR iii) PC iv) IR | **(8)** |
| | **(b)** | What is PS/2? | **(2)** |
| | | | |
| **4.** | **(a)** | Write a short note on cache performance. How it is measured? | **(5)** |
| | **(b)** | What is a multi-core processor? | **(3)** |
| | **(c)** | Mention the use of graphics card? | **(2)** |
| | | | |
| **5.** | **(a)** | Describe DDR in detail? | **(4)** |
| | **(b)** | How do you calculate the bandwidth or maximum throughput of an FSB? | **(3)** |
| | **(c)** | Describe HDMI? | **(3)** |
| | | | |
| **6.** | **(a)** | Write a short note on POST? | **(4)** |
| | **(b)** | Write about the following:<br>i) flat-bed scanners ii) sheet-fed scanners iii) handheld scanners | **(6)** |
| | | | |
| **7.** | **(a)** | List four functions of a BIOS? | **(4)** |
| | **(b)** | Explain the working of a dot matrix printer? | **(4)** |
| | **(c)** | What do you mean by FSB? | **(2)** |
| | | | |
| **8.** | **(a)** | Write about 5.1 channel sound system? | **(4)** |
| | **(b)** | With the help of a neat diagram explain RAID 5? | **(4)** |
| | **(c)** | What is DOS? | **(2)** |