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| EWULogo.png | | **EAST WEST UNIVERSITY** | | | |
| **Department of Computer Science and Engineering** | | | |
| **B.Sc. in Computer Science and Engineering Program** | | | |
| **Term II Examination, SPRING 2019** | | | |
| **Course:** | | **CSE442 – Microprocessor and Microcontroller, Section-3** | | |  |
| **Instructor:** | | **Dr. Md. Shamim Akhter, PhD, Associate Professor, CSE Department** |  | | |
| **Full Marks:** | | **25 (20 mark will be counted for final grading)** |  | | |
| **Time:** | | **1 Hour and 20 Minutes** |  | | |
| **Note:** There are Seven (7) questions, answer ALL of them. Course outcomes (CO), cognitive levels and marks of each question are mentioned at the right margin. | | | | | |
| 1.  2.  3.  4. | Generate the Vector Number from (Figure-1) and calculate the corresponding ISR address (from Table 1) in real mode 8088 processor.   |  |  | | --- | --- | | Figure-1: 8-bits interrupt number generator circuit. | Table-1: Interrupt Vector Table | |  | |  |  |  | | --- | --- | --- | | Vector# | Seg16 | Off16 | | 01H | 23H | 34H | | … |  |  | | 0AH | FAH | 23H | | 0BH | F1H | 23H | | 0CH | 4CH | 12H | | 1A | 40H | 20H | | 2B | 10H | 01H | | 3C | D1H | 32H | | 1FH |  |  | | 1EH | 1AH | 23H | | 1DH | 10H | 20H | | 1CH | 12H | 12H | | | | | [CO3,C2,3]  [CO1,C2,3]  [CO1,C2,4]  [CO1,C3,3] | |
| 5.  6. |  | | | [CO1,C3, 3]  [CO1,C3,3] | |
| 7. |  | | | [CO1,C3,6] | |