

Seat
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CII1322

Microprocessor - II
(New) (1010)

P. Pages : 1

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **two** sub questions from each question in such a way that one question will be attempted for maximum 20 marks.
5. Assume suitable data if necessary.
6. Figure to the right indicate full marks.

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| 1. | a) | Differentiate between .Com and .EXE files. | 10 |
| | b) | Explain FAT in detail. | 10 |
| | c) | Write down BSR mode control word for 8255 to set and reset PC 1 bit. Also write a set of instructions to initialise 8255. | 10 |
| 2. | a) | Explain mode word of 8251 and explain the use of SYNDET / BD pin. | 10 |
| | b) | Explain multiplexed approach for interfacing 7 - segment display using 8255. | 10 |
| | c) | Draw and explain waveforms related to centronic parallel printer interface. Also explain various control signals. | 10 |
| 3. | a) | Explain I/O channels. | 10 |
| | b) | Explain DMA logic and Reset logic. | 10 |
| | c) | Discuss VGA in detail. | 10 |
| 4. | a) | Discuss ISA bus in detail. | 10 |
| | b) | Draw and Explain the block diagram of 8272. | 10 |
| | c) | Explain any 7 HDC commands. | 10 |
| 5. | a) | Explain various addressing modes of 8051. | 10 |
| | b) | Discuss various features of 8051. | 10 |
| | c) | Explain internal memory of 8051 with neat diagram. | 10 |
