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R16

Code No: 136AU

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, November/December - 2020

COMPUTER ORGANIZATION

(Electrical and Electronics Engineering)

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Time: 2 hours

Max. Marks: 75

Answer any five questions

All questions carry equal marks

1. With the suitable example explain various memory reference instructions. [15]
- AG -2. Draw and explain the flag-register of 8086-microprocessor. [15] A
3. Write an assembly language program in 8086 to arrange the given 16-bit numbers in lowest to highest order. [15]
4. Discuss briefly about direct memory Access. [15]
- AG 5.a) Distinguish the characteristics of RISC and CISC. AG AG A
- AG b) What is cache memory? Explain the need of cache memory. [9+6]
6. What is register transfer language? Explain the basic symbols used in register transfer. Give examples for each one. [15]
7. Explain the physical address calculation in 8086 microprocessor. [15]
- AG 8. Explain about Interrupts and Interrupt service routines in detail. AG [15] A

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