

Sant Gadge Baba Amravati University, Amravati Summer 2020 Exam
H.V.P. Mandal's College of Engineering & Technology Amravati
B. E. Four Year Fifth Semester
Summer 2020 Exam
Computer Organization

Marks: 20

Note: 1. Solve any two questions.

2. Each question carries 10 Marks.

Question No.1 (10 Marks)

A. What is Stack?	(1)
B. Explain how word is fetch from memory.	(2)
C. Difference between subroutine and ISR?	(2)
D. What is virtual memory?	(1)
E. Explain booth algorithm?	(2)
F. Explain the working of laser printer.	(2)

Question No.2 (10 Marks)

A. What do you mean by addressing modes?	(2)
B. What is datapath?	(1)
C. Explain PCI bus.	(2)
D. What is cache memory?	(1)
E. Explain binary multiplier?	(2)
F. Explain working of modem.	(2)

Question No.3 (10 Marks)

A. Define immediate addressing modes?	(1)
B. What is branch instruction?	(2)
C. What is the need of DMA?	(2)
D. Explain latency?	(2)
E. Explain signed addition?	(2)
F. What is full duplex link?	(1)

Question No.4 (10 Marks)

A. Explain basic I/O operations.	(2)
B. What is microinstructon?	(1)
C. Explain Interrupt nesting.	(2)
D. What is cache coherence problem?	(2)
E. Design an n-bit carry adder.	(2)
F. What is disk array?	(1)