

**COMPUTER ORGANIZATION  
ASSIGNMENT-I(UNIT 4 & 5)**

**D:04/02/2020**

**ROLL NO:160718733062-160718733072**

- 1. What Is Pipelining ?How Its Implemented In 8086?**
- 2. Enlist The Advantages And Disadvantages Of 8086 Pipelining ?**
- 3. Define Addressing Mode?**
- 4. Explain In Detail About 8086 Addressing Modes?**
- 5. What Is An Instruction ?Explain In Detail 8086 Instruction Set With An Examples?**

**ROLL NO:160718733073-160718733084**

- 6. Draw And Explain The Block Diagram Of 8086?**
- 7. How Many Modes We Can Use 8086 Microprocessor And What Is The Importance Of Those Modes ?**
- 8. Explain 8086 Minimum Mode Pin Configuration ?**
- 9. Explain 8086 Maximum Mode Pin Configuration ?**
- 10. With A Neat Sketch Explain 8086 Pin Diagram?**

**ROLL NO:160718733085-160718733096**

- 11. Write Short Notes On Assembler Directives**
- 12. Draw And Explain The Programming Model Of 8086?**
- 13. With A Neat Sketch Explain 8086 Flag Register?**
- 14. Enlist Conditional Flags?**
- 15. Enlist Control Flags?**

**ROLL NO:160718733097-160718733109**

- 16. Write An Assembly Language Program To Perform 16-Bit Addition And Subtraction?**
- 17. Write An Assembly Language Program To Perform 16-Bit Multiplication And Division?**
- 18. What Is Segmentation ?List Out The Advantages Of Segmentation ?**
- 19. Explain 8086 Assembler Directives In Detail?**
- 20. Explain**
  - A)General Purpose Registers**
  - B)Pointer Registers**
  - C)Index Registers**
  - D)Segment Registers**
  - E)Flag Register**

**ROLL NO:160718733111-160718733303**

21. Explain In Detail About 8086 Addressing Modes?
22. Define computer organization ?
23. With A Neat Sketch Explain 8086 Flag Register?
24. What Is Segmentation ?List Out The Advantages Of Segmentation ?
25. Explain
  - A)General Purpose Registers
  - B)Pointer Registers
  - C)Index Registers
  - D)Segment Registers
  - E)Flag Register

**ROLL NO:160718733304- 160717733112**

- 26.With A Neat Sketch Explain 8086 Pin Diagram?
27. What Is An Instruction ?Explain In Detail 8086 Instruction Set With An Examples?
28. Differentiate 8085 and 8086 microprocessor ?
29. Draw And Explain The Block Diagram Of 8086?
- 30.Enlist the features of 8086 microprocessor?

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**Instructions to the students :**

- 1.write all the answers in A4 size papers
- 2.take the pictures and convert it into pdf
- 3.upload the PDF file through the google link(<https://forms.gle/uJ9B9GoMNJeUXKKr5>) provided
- 4.last date for submitting the assignment is 10/02/2020

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