

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE - OCTOBER, 2017

MICROPROCESSORS AND INTERFACING

[Time: 3 hours

(Maximum marks: 100)

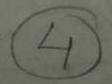
PART -- A

(Maximum marks: 10)

Marks

- I Answer all questions in one or two sentences. Each question carries 2 marks.
 - List segment registers of 8086.
 - 2 What is ALE?
 - 3 Define PUSHF and POPF
 - 4. Write two major interfaces provided by 8279.

Write any two features of Pentium.



 $(5 \times 2 = 10)$

PART - B

(Maximum marks: 30)

- II Answer any five of the following questions. Each question carries 6 marks.
 - 1/ Explain various flags in 8086.
 - Write about minimum mode configuration of 8086.
 - 3. How macros are defined and used in 8086.
 - Explain how a 2-digit packed BCD number is converted to unpacked BCD digits.
 - 5. Define interrupt service routine and interrupt vector. Draw the format of interrupt vector in 8086.
 - List the internal registers in 8259 and explain how interrupts are handled in 8259.
 - 7. Explain the three types of pipeline hazards.

 $(5 \times 6 = 30)$

P.T.O.

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