



RAN-2403000503049007

B.Sc. (Sem. III) Examination March - 2026

ELEC-MDC-305 : Introduction to Microprocessor

[Total Marks: 25]

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book

Seat No.:

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Student's Signature

Q.1. One word or short answer (Any 5)

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1. What is a flag?
2. What is meant by instruction?
3. What is the size of ports in 8255?
4. What is an opcode?
5. What is assembly language?
6. What is the role of EI instruction?

Q.2. Answer (any 2)

10

1. With neat PIN diagram explain any five signals of 8085 microprocessor.
2. Describe the general-purpose registers of 8085?
3. State various addressing modes in 8085 μ P and explain any two of them in detail.

Q.3. Answer (any 2)

10

1. What are the different Features of 8085 μ P.
2. Explain the control word format of 8253.
3. Explain CALL and RET Instructions.