



RAN-2411001002049009

F.Y.B.Sc. (Sem.-II) Examination April - 2026

MDC-Electronics : Introduction To Microprocessor 8085A

[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.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

- Q.1. One word or short answer (Any 5) 05**
- What is a flag?
 - What is meant by instruction?
 - What is the size of ports in 8255?
 - What is an opcode?
 - What is assembly language?
 - What is the role of EI instruction?
- Q.2. Answer (any 2) 10**
- With neat PIN diagram explain any five signals of 8085 microprocessor.
 - Describe the general-purpose registers of 8085?
 - State various addressing modes in 8085 μ P and explain any two of them in detail.
- Q.3. Answer (any 2) 10**
- What are the different Features of 8085 μ P.
 - Explain the control word format of 8253.
 - Explain CALL and RET Instructions.