

SUBJECT: MICROPROCESSOR & MICROCONTROLLER

Day: - Thursday
Date: 22/11/2018

W-2018-2407

Time: 02.30 PM TO 05.30 PM
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data if necessary.
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Q.1 Discuss the operation of these 8085 signals: ready, S1 and S0, hold and HLDA and ALE. (10)

OR

Q.1 Write difference between RISC and CISC. (10)

Q.2 Discuss in detail PSW 8051 microcontroller. (10)

OR

Q.2 Discuss TCON and TMOD register in 8051. (10)

Q.3 Interface LED with 8051. Write a program to blink LED? (10)

OR

Q.3 Interface ADC with 8051 microcontroller. (10)

Q.4 Brief on RS 232. (10)

OR

Q.4 Mention the difference between I²C and SPI. (10)

Q.5 Discuss programming model of PIC18F series. (10)

OR

Q.5 Briefly explain stack in PIC18F series. (10)

Q.6 How many interrupts are there in PIC18F? Discuss in detail. (10)

OR

Q.6 Interpret SPI protocol in detail. (10)

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