

ANDHRA LOYOLA COLLEGE (AUTONOMOUS) VIJAYAWADA

ELECTRONICS - MODEL PAPER (COVID-19)

(THIS PATTERN CARRIES FOR II, IV & VI SEMESTERS)

Time: 3 Hrs

Max Marks: 100

PART-A

I. Answer any Five of the following:

5 x 20 = 100 M

1. Explain briefly about ANSI standards & Constants of Embedded C.
2. What is Loop? Elaborate different types of loops in C with proper syntaxes and Examples.
3. What is Addressing mode? Explain in detail about addressing modes in PIC Microcontroller.
4. Give the Pin Description of PIC Microcontroller.
5. Write down the register set of Cortex M3 Processor.
6. Explain the basic Architecture of ARM7TDMI Processor.
7. Explain briefly about UART and RS 232 in Wired communications.
8. Explain the concepts of ZIGBEE and WI-FI in wireless communications.
9. What is IOT? Explain the basic sensors and Actuators in IOT?
10. What is DHT11 sensor? Draw and explain Digital thermometer using DHT11 sensor and Arduino UNO.

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