

Reg. No. :

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Question Paper Code: 58461

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

One credit

Electronics and Communication Engineering

15UEC861 - PIC EMBEDDED PROGRAMMING

(Regulation 2015)

Duration: 1.30 hour

Maximum: 50 Marks

Answer ALL Questions

PART A - (20 x 1 = 20 Marks)

- PIC stands for
 - peripheral interface controller
 - program interface controller
 - peripheral interface computer
 - none of these
- EEPROM data memory size
 - 368 x 8 bytes
 - 256 x 8 bytes
 - 8K x 14 words
 - none of these
- Which software was used to upload the program on PIC ic for simulation?
 - pic kit 2
 - MP lab
 - proteus
 - none of these
- EEPROM data memory size _____
 - Inline
 - Summary
 - In place and summary
 - All the above
- Which software was used to upload the program on PIC ic for simulation
 - Pic kit 2
 - MP lab
 - Proteus
 - HTML5
- 7segment has _____ pins.
 - 8
 - 10
 - 12
 - 16
- Tx& Rx pin was. _____&_____
 - 21 &22
 - 7 & 8
 - 25 & 26
 - 39 & 40

8. RISC_____
- (a) rearrange instruction set computer
 - (b) reduced instruction set computer
 - (c) reduced instruction series controller
 - (d) None of these
9. GSM stands for _____
- (a) Global System for Mobile communication
 - (b) Global System model
 - (c) Global System for Mobile control
 - (d) None of these
10. Which bit permits to enable (if set) or disable (if cleared) all the interrupts in an INTCON register?
- (a) GIE
 - (b) ADIE
 - (c) RBIE
 - (d) TOIE
11. Which hex-value is used to glow 6 on common anode 7segment
- (a) 7D
 - (b) 82
 - (c) F9
 - (d) 3F
12. PIC16F877A operating voltage range _____ V.
- (a) 2.0 – 5.5
 - (b) 2.0 – 6.5
 - (c) 1.0 – 6.5
 - (d) 4.0 – 5.5
13. Relay is a _____ component.
- (a) active
 - (b) passive
 - (c) electromechanical
 - (d) none of these
14. A potentiometer is a
- (a) Variable power supply
 - (b) Variable resistor
 - (c) Variable capacitor
 - (d) none of these
15. LCD stands for_____
- (a) liquid crystal display
 - (b) light crystal display
 - (c) led crystal display
 - (d) none of these
16. Types of switches
- (a) SPST
 - (b) SPDT
 - (c) DPST
 - (d) all of these

17. TXSTA used to _____
- (a) Setting the type of the port pins (Input or Output)
 - (b) Settings used for transmitting the data
 - (c) Settings used for receiving the data
 - (d) None of these
18. POR stands for
- (a) Power on Reset
 - (b) Power on Register
 - (c) Power off Reset
 - (d) Power off Register
19. LED stands for _____
- (a) light emitting diode
 - (b) light emitted display
 - (c) liquid emitted display
 - (d) None of these
20. In LCD program _____ command was use to clear display screen?
- (a) 0x02
 - (b) 0x01
 - (c) 0x1C
 - (d) 0x0A

PART - B (2 x 15 = 30 Marks)

21. (a) Write a simple program for motor forward / reverse. (15)
- Or
- (b) Draw and explain pin diagram for 16x2 LCD. (15)
22. (a) Write a hex-value & binary-value for glow 0-9 on common anode 7 segment. (15)
- Or
- (b) Write a simple program to arrange the given set of numbers in ascending Order. (15)
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