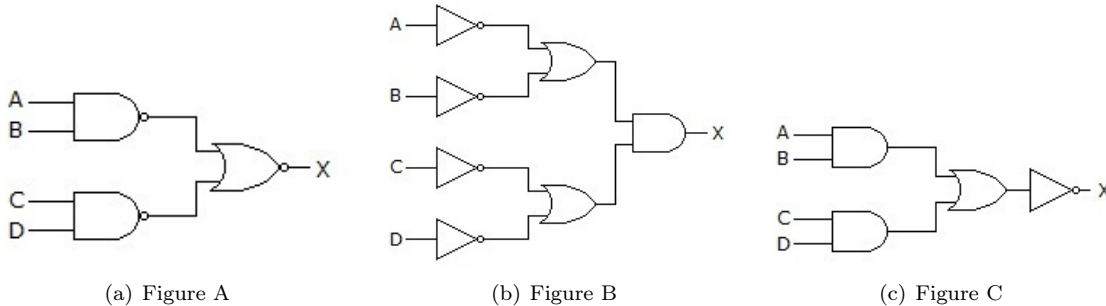




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| 1 You should attempt all requested parts | • No of Questions 1 in 2 page(s) |
| 2 You should mark your answer clearly | • Exam Model: ECE201799912 (Total Mark: 10) |
| 2 Calculator is Not Allowed | • Examiner: Dr.Ahmed Bayoumi-Dr.Shady Elmashad |

1. Identify the choice that best completes the statement or answers the question.



- (1) A ... is an electrostatic digital printer. It produces high-quality text and graphics
 A. Inkjet printer B. Plotter **C. Laser Printer** D. Scanner
- (2) is a memory management scheme
 A. Booting B. Interrupting C. Decode **D. Paging**
- (3) Data is stored temporary at A. USB B. Hard Disk C. Tape **D. RAM**
- (4) A barcode reader is an example of a(n) ...
 A. processing device B. output device C. storage device **D. input device**
- (5) The value $(1101111)_2$ in a octal system is A. 151 **B. 157** C. 69 D. 51
- (6) is the number of distinct pixels in each dimension that can be displayed in screen
 A. Dot pitch B. Screen size **C. Resolution** D. LCD
- (7) Logic circuit (b) can be represented by expression
 A. $(A.B)' + (C.D)'$ B. $A'.B' + C'.D'$ C. $A.B.C.D$ **D. $(A' + B')(C' + D')$**
- (8) Which of the following is assumed to be a computer connector
 A. CPU B. Memory C. Motherboard **D. USB**
- (9) Which of the logic circuits in the figure are equivalent?
 A. a and b B. a and c **C. b and c** D. None of the above
- (10) The Boolean expression $(AB)'.(A' + B)$ can be simplified to
 A. Zero B. One C. B **D. A'**
- (11) The value $(5C)_{16}$ in a decimal system is **A. 92** B. 75 C. 4A D. A4
- (12) for logic circuit (c) if $A = 0, B = 0, C = 0$ and $D = 0$ the output will be **A. One** B. Zero
- (13) for logic circuit (b) if $A = 0, B = 0, C = 0$ and $D = 0$ the output will be **A. One** B. Zero
- (14) Is one operation executed by a processor **A. Instruction** B. CPU cycle C. Machine cycle
 D. Main cycle
- (15) CPU perform the operation(s)
 A. Virtual **B. Fetch** C. Printing operation D. All of the above
- (16) Is the operating system core software
 A. Memory management B. Backup C. Multitasking **D. Kernel**



- (17) The logic gate that will have HIGH or 1. at its output when all of its inputs is LOW is:
A. AND gate B. OR gate C. XOR gate D. **None of the above**
- (18) The OS uses memory as an extension of RAM.
A. DMA B. Primary C. Secondary D. **None of the above**
- (19) The value $(101011)_2$ in a decimal system is A. **43** B. 42 C. 44 D. A4
- (20) The sum and carry values of $(0011)_2 + (1001)_2$ are
A. Sum = 0 and Carry = 0 C. Sum = 0 and Carry = 1
B. Sum = 1 and Carry = 0 D. **None of the above**
- (21) How many truth table entries are necessary for a five-input circuit? A. 4 B. 8 C. 16 D. **32**
- (22) The value of $(1001)_2 + (0011)_2$ equal A. **1100** B. 1101 C. 1000 D. 1
- (23) The first step in the machine cycle is ... A. **fetch** B. execute C. decode D. store
- (24) The value $(56)_{10}$ in an octal system is A. 101 B. 101100101 C. **70** D. A5
- (25) is a command line operating system A. **Dos** B. Windows C. Android D. Linux
- (26) A tab drive is an example of a(n) access A. Optical B. Random C. **Sequential** D. Magnetic
- (27) The value $(3B)_{16}$ in a octal system is A. 52 B. **73** C. 42 D. 32
- (28) The full adder circuit implemented to add two digits
A. **FALSE** B. TRUE
- (29) operating systems have the ability to run more than one application program at a time.
A. **Multitasking** B. Single-tasking C. Extra D. Hyper
- (30) for logic circuit (a) if A = 1, B = 1, C = 1 and D = 1 the output will be A. **One** B. Zero

Name: _____ ID Number: _____ Points...../30

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| 2. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 12. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 22. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
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| 4. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 14. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 24. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
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| 6. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 16. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 26. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
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| 9. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 19. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 29. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 10. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 20. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 30. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |

