

Code No: 56085

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

III B.Tech. II Sem., II Mid-Term Examinations, April – 2014

AUTOMOTIVE ELECTRICAL AND AUTOTRONICS

Objective Exam

Name: \_\_\_\_\_ Hall Ticket No. 

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. Earth return system is also known as..... [     ]  
(a) Single wire method      (b) Double wire method      (c) wire method      (d) none
2. Insulated return system is also known as..... [     ]  
(a) Single wire method      (b) Two wire method      (c) One wire method      (d) Double wire method
3. Which of the following are not the accessories of automobile..... [     ]  
(a) Horn      (b) Wind shield      (c) Water gauge      (d) None
4. Which type of wind shield is used now-a-days ..... [     ]  
(a) Hand operated      (b) Electrically operated  
(c) Compressed air-operated      (d) Electric vacuum operated
5. The oil pressure gauge can be of ..... type. [     ]  
(a) Bourdon's type      (b) Balancing coil      (c) Thermostatic type      (d) All the above
6. The word digit is derived from ..... [     ]  
(a) Latin      (b) German      (c) French      (d) Dutch
7. The decimal number 30 can be represented in binary form as..... [     ]  
(a) 11111      (b) 11000      (c) 11110      (d) 22222
8. One's complement of a binary number is obtained by simple changing all 1's to .....&..... [     ]  
(a) 1's to 0's & 0's to 1's      (b) 1's to 2's & 2's to 1's      (c) 1's to 00's & 00's to 1's      (d) None
9. The symbol used for OR operation in logic gates is ..... [     ]  
(a) -      (b) +      (c) \*      (d) /
10. NOT operation is unlike..... & ..... [     ]  
(a) AND, NAND      (b) OR, NAND      (c) OR, AND      (d) None

Cont.....2

**II Fill in the blanks**

- 11. The wavy diaphragm in horn gives ..... vibration per second.
- 12. Trafficators circuit controls the operation of .....
- 13. The water gauge shows the .....
- 14. Insulated earth return system is mainly used in vehicles like.....
- 15. For ignition circuit which colour wire will be used is .....
- 16. Circuits that handle only HIGH and LOW signals are called.....
- 17. The 2's complement of a binary number is formed by taking the 1's complement of the number and adding ..... to the least significant bit.
- 18. 1101 is a binary number its 1's complement is .....
- 19. The term NAND is a contraction of.....
- 20. The NAND and NOR gates are called the.....



**II Fill in the blanks**

- 11. Insulated earth return system is mainly used in vehicles like.....
- 12. For ignition circuit which colour wire will be used is .....
- 13. Circuits that handle only HIGH and LOW signals are called.....
- 14. The 2's complement of a binary number is formed by taking the 1's complement of the number and adding ..... to the least significant bit.
- 15. 1101 is a binary number its 1's complement is .....
- 16. The term NAND is a contraction of.....
- 17. The NAND and NOR gates are called the.....
- 18. The wavy diaphragm in horn gives ..... vibration per second.
- 19. Trafficators circuit controls the operation of .....
- 20. The water gauge shows the .....

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Set No. 3

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I Choose the correct alternative:

1. The word digit is derived from ..... [ ]  
(a) Latin (b) German (c) French (d) Dutch
2. The decimal number 30 can be represented in binary form as..... [ ]  
(a) 11111 (b) 11000 (c) 11110 (d) 22222
3. One's complement of a binary number is obtained by simple changing all 1's to .....&..... [ ]  
(a) 1's to 0's & 0's to 1's (b) 1's to 2's & 2's to 1's (c) 1's to 00's & 00's to 1's (d) None
4. The symbol used for OR operation in logic gates is ..... [ ]  
(a) - (b) + (c) \* (d) /
5. NOT operation is unlike..... & ..... [ ]  
(a) AND, NAND (b) OR, NAND (c) OR, AND (d) None
6. Earth return system is also known as..... [ ]  
(a) Single wire method (b) Double wire method (c) wire method (d) none
7. Insulated return system is also known as..... [ ]  
(a) Single wire method (b) Two wire method (c) One wire method (d) Double wire method
8. Which of the following are not the accessories of automobile..... [ ]  
(a) Horn (b) Wind shield (c) Water gauge (d) None
9. Which type of wind shield is used now-a-days ..... [ ]  
(a) Hand operated (b) Electrically operated  
(c) Compressed air-operated (d) Electric vacuum operated
10. The oil pressure gauge can be of ..... type. [ ]  
(a) Bourdon's type (b) Balancing coil (c) Thermostatic type (d) All the above

Cont.....2

**II Fill in the blanks**

- 11. Circuits that handle only HIGH and LOW signals are called.....
- 12. The 2's complement of a binary number is formed by taking the 1's complement of the number and adding ..... to the least significant bit.
- 13. 1101 is a binary number its 1's complement is .....
- 14. The term NAND is a contraction of.....
- 15. The NAND and NOR gates are called the.....
- 16. The wavy diaphragm in horn gives ..... vibration per second.
- 17. Trafficators circuit controls the operation of .....
- 18. The water gauge shows the .....
- 19. Insulated earth return system is mainly used in vehicles like.....
- 20. For ignition circuit which colour wire will be used is .....

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(a) 1's to 0's & 0's to 1's (b) 1's to 2's & 2's to 1's (c) 1's to 00's & 00's to 1's (d) None
2. The symbol used for OR operation in logic gates is ..... [     ]  
(a) -                      (b) +                      (c) \*                      (d) /
3. NOT operation is unlike..... & ..... [     ]  
(a) AND, NAND      (b) OR, NAND      (c) OR, AND      (d) None
4. Earth return system is also known as..... [     ]  
(a) Single wire method      (b) Double wire method      (c) wire method      (d) none
5. Insulated return system is also known as..... [     ]  
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(a) Horn                      (b) Wind shield      (c) Water gauge      (d) None
7. Which type of wind shield is used now-a-days ..... [     ]  
(a) Hand operated                      (b) Electrically operated  
(c) Compressed air-operated      (d) Electric vacuum operated
8. The oil pressure gauge can be of ..... type. [     ]  
(a) Bourdon's type      (b) Balancing coil      (c) Thermostatic type      (d) All the above
9. The word digit is derived from ..... [     ]  
(a) Latin                      (b) German                      (c) French                      (d) Dutch
10. The decimal number 30 can be represented in binary form as..... [     ]  
(a) 11111                      (b) 11000                      (c) 11110                      (d) 22222

Cont.....2

**II Fill in the blanks**

- 11. 1101 is a binary number its 1's complement is .....
- 12. The term NAND is a contraction of.....
- 13. The NAND and NOR gates are called the.....
- 14. The wavy diaphragm in horn gives ..... vibration per second.
- 15. Trafficators circuit controls the operation of .....
- 16. The water gauge shows the .....
- 17. Insulated earth return system is mainly used in vehicles like.....
- 18. For ignition circuit which colour wire will be used is .....
- 19. Circuits that handle only HIGH and LOW signals are called.....
- 20. The 2's complement of a binary number is formed by taking the 1's complement of the number and adding ..... to the least significant bit.