

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.....

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I Choose the correct alternative:

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10. Which of the following are not the accessories of automobile..... []
(a) Horn (b) Wind shield (c) Water gauge (d) None

Cont.....2

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.
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17. The NAND and NOR gates are called the.....
18. The wavy diaphragm in horn gives vibration per second.
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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.....
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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
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Cont.....2

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