

# North Montco Technical Career Center

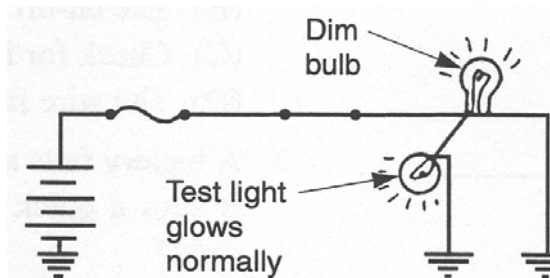
## ASE Practice Test 6 Electrical Systems

Name: \_\_\_\_\_

AM-1: \_\_\_\_\_ AM-2: \_\_\_\_\_ PM: \_\_\_\_\_

Date: \_\_\_\_\_

1. The light in the circuit shown glows dimly. A test light is connected as shown. The test light glows normally. Technician A says a bad ground at the light might be the cause. Technician B says high resistance in the circuit coming from the battery might be the cause. Who is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.



2. The headlights on a car are dim when on high beam and normal when on low beam. Which of the following could be a cause for this?

- (A) Bad headlight ground
- (B) Shorted headlight switch
- (C) High resistance in dimmer switch
- (D) None of the above

3. The oil pressure light stays on whenever the engine is running. Oil pressure has been checked and it meets specs. Which of the following could be a cause for this?

- (A) An open in the pressure sending unit circuit
- (B) An open in the pressure-sending unit
- (C) A ground in the circuit between the indicator light and the pressure-sending unit
- (D) None of the above

4. A car owner reports a noisy alternator. Technician A says it might be caused by a bad diode. Technician B says it might be caused by a worn bearing. Who is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

5. Each of the following could cause high starter current draw except:

- (A) worn starter bushings
- (B) bad starter relay
- (C) grounded field coils
- (D) grounded armature

6. The voltage regulator sensing circuit is open. Which of the following statements is true? A. The alternator fault symptom most likely to occur is low charging. B. The alternator fault symptom most likely to occur is excessive charging. Which is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

7. A radio does not operate. What do you check first?

- (A) Check for blown or open fuses
- (B) The on-off switch
- (C) Check for improper ground
- (D) The wire from the power source to the radio

8. A battery fails a load test. Technician A says the battery should be replaced. Technician B says a quick charge test should be performed before replacing the battery. Who is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

9. A vehicle's horn will not sound. Technician A says this could be caused by a faulty horn relay. Technician B says this could be caused by a defective switch. Who is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

10. The results of a battery drain test on a late-model vehicle should not exceed:

- (A) 10mA
- (B) 50mA
- (C) 100mA
- (D) 500mA