F4 SAMPLE QUESTIONS Answer key is at bottom of page

1. The formula used to determine the power requirement of an electrical device is:
A. watts / ohms = power
B. volts x ohms = power
C. amps x volts = power
D. amps x ohms = power

2. An emergency vehicle has a 12 volt circuit that powers two 50 watt halogen scene lights. Technician A says: A 5 amp fuse should be used to protect the circuit. Technician B says: A 15 amp fuse should be used to protect the circuit. Who is correct?
A. Technician A
B. Technician B
C. Both A and B
D. Neither A nor B

3. Technician A says: An inductive ammeter is connected in series. Technician B says: An inductive ammeter must be clamped onto the wire being tested. Who is correct?
A. Technician A
B. Technician B
C. Both A and B
D. Neither A nor B

4. Worn bushings in a cranking motor can result in which of the following?
A. failure of the solenoid to engage
B. high amp draw
C. high cranking speed
D. excessive pinion lash

Answer Key
1. c 2. b 3. b 4. b