1. When an aerial ladder is under load it creates sound waves. What is the name of a non-destructive test that measures these sound waves?
A. acoustical emission testing  
B. magnetic particle testing  
C. ultrasonic testing  
D. Rockwell hardness testing

2. Technician A says: An aerial ladder equipped with a water delivery system must have a relief valve that is capable of protecting the waterway system. Technician B says: The discharge end of the relief valve should be terminated in National Standard Thread. Who is correct?
A. Technician A  
B. Technician B  
C. Both A and B  
D. Neither A nor B

3. The value of the maximum rated capacity, used during the horizontal and maximum elevation load tests performed on an aerial ladder, is determined by which of the following?
A. local authority  
B. manufacturer of the aerial apparatus  
C. National Fire Protection Association (NFPA)  
D. third party testing agency

4. An oil sample for spectro-analysis must be taken:
A. 10 minutes before operational test  
B. during operation  
C. after operational testing  
D. when oil temperature is over 90 degrees F (32.22o C)

5. During an NFPA 1911 annual visual inspection, the lower control valve is found to have oily residue on the exterior surface of a control valve. Technician A says: This condition is a class 1 leak which is acceptable as long as a droplet does not form. Technician B says: Any leak requires that the valve must be repaired or replaced. Who is correct?
A. Technician A  
B. Technician B  
C. Both A and B  
D. Neither A nor B

Answer Key
1. a  2. a  3. b  4. c  5. a