A1 SAMPLE QUESTIONS see bottom of page for answer key

1. The average temperature of the environment surrounding a vehicle is known as:
   A. mean temperature
   B. ambient temperature
   C. heat conductivity
   D. relative humidity

2. An ARFF vehicle in the no load condition is defined as which of the following?
   A. no equipment loaded on the vehicle
   B. no operators or drivers in the cab
   C. no water or foam agents loaded on the vehicle
   D. operating with all devices disengaged

3. According to NFPA 414, the service brakes on a fully loaded ARFF vehicle shall be capable of holding the vehicle on a minimum ascending or descending grade of ______ percent.
   A. 30
   B. 40
   C. 50
   D. 60

4. What is the greatest height allowable for the lowermost step on an ARFF vehicle?
   A. 10 inches (25 cm)
   B. 15 inches (38 cm)
   C. 22 inches (61 cm)
   D. 30 inches (76 cm)

5. According to the NFPA 414, when testing the parking brake for grade holding performance, Technician A says: You must drive the vehicle forward up a 20 percent grade, stop the vehicle, set the parking brake and visually observe the wheels for any perceptible rotation. Technician B says: You must drive the vehicle backward up a 20 percent grade, stop the vehicle, set the parking brake and visually observe the wheels for any perceptible rotation. Who is correct?
   A. Technician A
   B. Technician B
   C. Both A and B
   D. Neither A nor B

Answer Key

1. b 2. d 3. c 4. c 5. c