

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

