

1. A turbine-like device that transmits power solely through the action of a fluid in a closed circuit without producing torque multiplication is called a:
 - A. power divider
 - B. torque converter
 - C. fluid coupling
 - D. hydraulic clutch

2. Which of the following descriptions is considered the frame on an ARFF vehicle?
 - A. cross members, rails, tank, and spring hangers
 - B. basic structural system that transfers the weight of the fire apparatus to the suspension system
 - C. the basic structural system linking the front and rear axles
 - D. the basic tank support structural system

3. A winterization kit on an ARFF vehicle shall extend the temperature performance range to a lower limit of:
 - A. 32° F (0° C)
 - B. -10° F (-23° C)
 - C. -35° F (-37° C)
 - D. -40° F (-40° C)

4. An ARFF vehicle operator reports that when the air system is empty, it takes 40 seconds to build enough air pressure to release the brakes. Technician A says: This is an acceptable performance on an ARFF vehicle. Technician B says: The quick build up system should release the brakes within 5 seconds after start up. Who is correct?
 - A. Technician A
 - B. Technician B
 - C. Both A and B
 - D. Neither A nor B

5. On a morning vehicle inspection, it is noted that there is coolant under the engine. According to NFPA 1911 this is a:
 - A. class 1 leak
 - B. class 2 leak
 - C. class 3 leak
 - D. none of the above

Answer Key

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