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. 32o F (0o C)
   B. -10o F (-23o C)
   C. -35o F (-37o C)
   D. -40o F (-40o 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