**Pretest Info Section PAT Fasteners & Powerloads**

1. Why are PAT fasteners made from special hardened steel?
2. Are powerloads and fasteners brand specific?
3. What are some of the most common fastener types?
4. What is the approximate tensile strength of heat-treated fasteners?
5. How far should a fastener penetrate concrete for maximum holding power?
6. What two forces hold a fastener fired into concrete?
7. What is the spall area of a fastener?
8. What is compressive bond?
9. What two factors increase the holding power of a fastener in steel?
10. How far should a fastener penetrate into steel for maximum holding power?
11. What is fish-hooking?
12. How is it avoided?
13. What are the two most common powerload sizes? (caliber)
14. What are the two types of ends on powerloads?
15. What are the three components of powerloads?
16. What two materials are used for the case of powerloads?
17. Where is the priming mixture located in the case of a powerload?
18. How is the propellant ignited in a powerload?
19. What are three methods of indicating the strength of powerloads?