

Plumbing IP Red Seal Practice Exam

1. Which letters do not designate pipe?

- a) XS
- b) S
- c) XXS
- d) XL

2. A "cistern" is used:

- a) in a water supply system
- b) in a hot water heating system
- c) in a mortuary
- d) to collect indirect drainage

3. A globe valve is used:

- a) for on/off throttling
- b) for on/off only
- c) for throttling only
- d) where low head loss is required

4. In a domestic hot water tank, the _____ is the anode, and the _____ is the cathode.

- a) relief vent; tank
- b) tank; magnesium rod
- c) magnesium rod; relief valve
- d) magnesium rod; tank

5. "Galvanic action" is also called:

- a) meniscus
- b) capillary action
- c) rust proofing
- d) electrolysis

6. Pick the largest screw listed below:

- a) #6
- b) #8
- c) #10
- d) #12

7. Pick the largest wire listed below:

- a) #14
- b) #16
- c) #18
- d) #20

8. Left-hand thread on an acetylene fitting is usually indicated by:

- a) the line around the nut
- b) the initials "LH" stamped on the nut
- c) the nut is red
- d) the nut is green

9. When opening a cylinder feeding regulator, you should:

- a) open the handwheel quickly
- b) open the acetylene cylinder fully, and the oxygen one-quarter turn only
- c) never stand in front of the regulator
- d) put oil on a sticky valve

10. The safety device built into an acetylene cylinder is:

- a) a relief valve
- b) a fusible link
- c) a double-seated valve
- d) there are none

11. Before a septic tank can be serviced, it must be assumed for safety that:

- a) flammable vapors may be present
- b) confined space entry is involved
- c) a drowning hazard exists
- d) all of the above

12. To stop the hoisting of a load, the signalman:

- a) waves both hands frantically
- b) extends one hand out from the waist area, palm down
- c) waves one hand back and forth over his/her head
- d) extends both hands out from the waist area, palms down, in a rapid motion

13. A pipe supported through a clevis hanger from a steel I-beam, would use a _____ attached to the steel.

- a) pre-drilled
- b) "C"-clamp
- c) perforated strap
- d) none of the above

14. Galvanized schedule 40 pipe has a maximum working pressure of:

- a) 100 psi
- b) 125 psi
- c) 150 psi
- d) 250 psi

15. If a copper pipe and a galvanized steel pipe must be joined, the fitting must be:

- a) a union
- b) serviceable
- c) exposed
- d) dielectric

16. A booster pump on a high-rise building operates when there is:

- a) a drop in street pressure
- b) high demand on the building system
- c) unusually high street pressure
- d) no demand on the building system

17. Jet systems for wells employ:

- a) a venturi
- b) a turbine
- c) Archimede' s Principle
- d) a piston pump

18. Excessive vibration and noise are usually an indication that the pump:

- a) is experiencing cavitation
- b) is undersized for the system demands
- c) has broken its coupler
- d) is jammed

19. The principle of water operation is:

- a) sodium cycle ion exchange
- b) filtration
- c) sedimentation
- d) reverse osmosis

20. The purpose of stadia hairs is to:

- a) measure distance
- b) calculate grade
- c) allow vertical crosshairs to be seen
- d) they serve no useful purpose

21. One of these is not a characteristic of oxy-acetylene welding flames.

Which one?

- a) carbonizing
- b) oxidizing
- c) neutral
- d) impinging

22. The substance which must be present in an acetylene cylinder is:

- a) acetate
- b) acetone
- c) acid
- d) aldehyde

23. Name the type of nipple not (commonly) manufactured:

- a) close
- b) shoulder
- c) 1/2" X 2 1/2"
- d) toe

24. When selecting a hacksaw blade, how many teeth should be in contact with the work?

- a) one
- b) three
- c) six
- d) ten

ANSWERS

1. D
2. A
3. A
4. D
5. D
6. D
7. A
8. A
9. C
10. B
11. D
12. B
13. D
14. C
15. D
16. B
17. A
18. A
19. A
20. A
21. D
22. B
23. D
24. B