

IFGC Practice Test

1. How many inspections are required by code?
 - a. 2
 - b. 3
 - c. 4
 - d. 6

2. What is the maximum distance between pipe supports for $\frac{3}{4}$ " steel piping?
 - a. 6 Ft.
 - b. 12 Ft.
 - c. 8 Ft.
 - d. 16 Ft.

3. What best describes make-up air?
 - a. The air that freshens the boiler system @ 10 psi.
 - b. Air that always has to be exhausted through the roof.
 - c. Air that is provided to replace air being exhausted.
 - d. Air that is provided only on explosive lighting systems.

4. On outdoor opening size, the minimum dimension of air openings shall not be less than?
 - a. 12 inches.
 - b. 6 inches.
 - c. 7 inches.
 - d. 3 inches.

5. On conduit with one end terminating outdoors, the conduit shall extend not less than _____ beyond the point where the pipe emerges from the floor?
 - a. 16 inches
 - b. 2 inches
 - c. 6 inches
 - d. 4 inches

6. Where piping other than steel piping is used for gas piping, and passes through holes or notches in wood studs, a protective shield is used having a minimum thickness of?
 - a. 16 gage
 - b. 12 gage
 - c. 24 gage
 - d. 37 gage

7. What is the approximate length of threaded portion for 2 inch metallic pipe?
 - a. 1-1/2"
 - b. 1"
 - c. 1-1/4"
 - d. 2"

8. On 1/2" smooth wall tubing, what is the required spacing of supports?
 - a. 6 feet.
 - b. 7 feet.
 - c. 5 feet.
 - d. 4 feet.

9. What best describes a meter?
 - a. The instrument installed to measure the volume of gas delivered through it.
 - b. A charging device.
 - c. An instrument used to regulate gas pressure.
 - d. A device used to measure gas pressure.

10. The standard method for figuring indoor combustion air, the minimum required volume shall be?
 - a. 100 cubic feet per 1,000 Btu/h
 - b. 70 cubic feet per 2,000 Btu/h
 - c. 50 cubic feet per 3,000 Btu/h
 - d. 50 cubic feet per 1,000 Btu/h

11. For other than steel pipe, exposed piping shall be identified by a yellow label marked GAS in black letters; the marking shall be spaced at intervals not exceeding?
 - a. 6 Ft.
 - b. 3 Ft.
 - c. 8 Ft.
 - d. 5 Ft.

12. The shut-off valve installed at a manifold shall be located within _ feet of the appliance?
 - a. 20 Ft.
 - b. 30 Ft.
 - c. 40 Ft.
 - d. 50 Ft.

13. 27.7 inch water column equals?
 - a. 6 psi.

- b. 2 psi.
 - c. 1 psi.
 - d. 9 psi.
14. What type of venting system does not depend on a fan or power to remove flue gases?
- a. Mechanical draft
 - b. Induced draft
 - c. Natural draft
 - d. Blow down method draft
15. The approximate number of threads to be cut for ½" metallic gas pipe?
- a. 12
 - b. 10
 - c. 16
 - d. 8
16. The minimum burial depth for individual outside appliances shall be installed a minimum of _____ inches below finished grade?
- a. 8
 - b. 10
 - c. 12
 - d. 16
17. When testing a gas system the test pressure in psig shall never be less than?
- a. 5 psig
 - b. 6 psig
 - c. 2 psig
 - d. 3 psig
18. The minimum AWG for a tracer wire used for non-metallic piping shall not be less than?
- a. 18 AWG
 - b. 16 AWG
 - c. 24 AWG
 - d. 20 AWG
19. What best describes a pilot?
- a. A flame that extends the inter portion of all water heaters.
 - b. A flame that is utilized to ignite the gas at the main burner or burners.
 - c. A flame who's primary purpose is to send flue gases to the outside air.
 - d. A natural flame utilized to ignite LP gas stoves and other related electric devices.

20. Appliances located in private garages shall be installed with a minimum clearance of _____ feet above the floor?
- a. 12
 - b. 16
 - c. 6
 - d. 7
21. The minimum service space required for appliances installed in attics?
- a. 40 inches
 - b. 30 x 30 inches
 - c. 20 x 30 inches
 - d. 36 x 36 inches
22. Condensate waste and drain lines for drain pans shall not be less than?
- a. $\frac{1}{2}$ "
 - b. 1"
 - c. 2"
 - d. $\frac{3}{4}$ "
23. The maximum length of a fuel piping connector is?
- a. 3 feet
 - b. 12 feet
 - c. 6 feet
 - d. 8 feet
24. Exit terminals of mechanical draft systems shall not be less than _____ feet above finished ground level?
- a. 5
 - b. 7
 - c. 9
 - d. 12
25. How many fittings are used on a center to center measurement?
- a. 3
 - b. 1
 - c. 4
 - d. 2