

1) A person who installs pipes, fixtures and other apparatus to convey and supply water in buildings and to dispose and discharge waste water.

- a. Carpenter
- b. Plumber
- c. Mason
- d. Mechanic

Ans: B

2) It is a receptacle or vault used to collect organic waste discharged from the house sewer.

- a. Septic tank
- b. Manhole
- c. Water tank
- d. Waste tank

Ans: A

3) The semi-liquid substance accumulated at the bottom of the septic tank.

- a. Scum
- b. Sediment
- c. Sludge
- d. Silt

Ans: C

4) An underground tunnel that carries off the drainage and waste matter from a home or town is called:

- a. Drainage system
- b. Fixture
- c. Sewerage
- d. Sewer

Ans: D

5) The pipe that conveys waste from various fixture other than from the water closet.

- a. Waste pipe
- b. Soil pipe
- c. Vent pipe
- d. Drain pipe

Ans: A

6) It is a fitting or device that provides liquid seal to prevent the back passage of air.

- a. Loop
- b. Fixture

c. Sewer

d. Trap

Ans: D

7) The tools used to tighten or loosen hexagonal fittings like unions and other metal fittings.

a. Pipe vise

b. Pliers

c. Wrenches

d. Threader

Ans: C

8) The kind of fitting used to connect fixed pipe and fixtures is a _____.

a. Wye fitting

b. Coupling

c. Union fitting*

d. Reducer

Ans: C

9) A fitting or device installed at the inlet of a water pump to prevent backflow of water.

a. Ball valve

b. Check valve*

c. Blackwater valve

d. Gate valve

Ans: B

10) It is a device installed in water lines that can be closed or opened to allow installation or troubleshooting of fixtures.

a. Check valve

b. Gate valve

c. Ball valve*

d. Float valve

Ans: C

11) A schedule 40 pipe is:

a. Thicker than schedule 20

b. Thicker than schedule 80

c. Thinner than schedule 10

d. None among the choices

Ans: A

12) What material is used to seal off threaded fittings to avoid leakage?

- a. Masking tape
- b. Teflon tape
- c. Scotch tape
- d. Adhesive gum

Ans: B

13) What must be installed to prevent siphonage or backflow of the water seal in the drainage system?

- a. Vent pipe
- b. Drain pipe
- c. Soil pipe
- d. Cleanout

Ans: A

14) Which of the following is NOT required by the National Plumbing Code?

- a. Drainage pipe should be inclined properly for a downward gravity flow of water.
- b. Drainage pipe should be provided with adequate cleanout.
- c. No vent pipe is needed.
- d. All pipe joints must be well-fitted and tightly connected.

Ans: C

15) What is the ideal inclination of a horizontal waste pipe as recommended by the National Plumbing Code?

- a. 2% slope
- b. 3% slope
- c. 4% slope
- d. 0% slope or level position

Ans: A

16) For purposes of troubleshooting in case of stoppage of flow, what must be installed in the pipe system?

- a. Vent pipe
- b. Cleanout
- c. Drain
- d. Tee fitting

Ans: B

17) Plastic pipes are commonly used in water fixture installation nowadays. Which of the following is preferred?

- a. Polyvinyl chloride (PVC)*
- b. Chlorinated PVC (CPVC)

c. Cross-linked polyethylene (PEX)

d. Polyethylene

Ans: A

18) The Plumbing Code on House Drain provides that there must be no more than two closets that shall discharge into a _____ pipe diameter.

a. 3 inches or 75 mm

b. 80 mm

c. less than 75 mm

d. 70 mm

Ans: A

19) A metal or plastic fitting used to connect smaller pipe from a larger pipe.

a. Reducer

b. Elbow

c. Union

d. Coupling

Ans: A

20) As a basic prerequisite for most plumbing project, what should be connected for each faucet, toilet, and fixtures?

a. Fixture shutoffs*

b. Main shutoffs

c. Intermediate shutoffs

d. Valves

Ans: A

21) A plumber wants to tighten and loosen pipes. Which tool is appropriate?

a. Pipe cutter

b. Flux

c. Pipe wrench*

d. Butane torch

Ans: C

22) A plumber wants to cut metal pipe. Which tool is appropriate?

a. Hacksaw

b. Back saw

c. Handsaw

d. Drywall knife

Ans: A

23) Metal with semi-rigid auger whose end is usually fitted with a hook or corkscrew is called _____.

- a. plumber's snake
- b. plunger
- c. valve
- d. bushing

Ans: A

24) If your toilet has trouble, you use rubber funnel-shape instrument attached to the end of the handle for unblocking.

What is this tool?

- a. plumber's snake
- b. valve
- c. plunger
- d. bushing

Ans: C

25) Which plumbing tool is used for gripping large pipes and irregular objects?

- a. monkey wrench
- b. chain wrench
- c. yoke vise
- d. pipe wrench

Ans: B

26) A plumber wants to create thread outside pipe by hand. Which tool is appropriate?

- a. Pipe cutter
- b. Pipe threader*
- c. Yoke vise
- d. Pipe wrench

Ans: B

27) A plumber wants to cut pipes. Which holding tool is needed?

- a. Vise grip
- b. Pipe threader
- c. Yoke vise
- d. Pipe wrench

Ans: C

28) A plumber wants to hold pipe by hand. What tool is needed?

- a. Vise grip
- b. Pipe threader
- c. Yoke vise
- d. Pipe wrench

Ans: A

29) The following are good plumbing practices, EXCEPT:

- a. rainwater harvesting
- b. water conservation
- c. gray water recycling
- d. excessive water consumption

Ans: D

30) Water contaminants are being forced back into the water piping system. Which term is referred to?

- a. Water flow
- b. Back flow*
- c. Pressure
- d. Harvesting

Ans: B

31) The following are examples of plumbing fixtures, EXCEPT:

- a. water closet
- b. drainage
- c. shower
- d. urinals

Ans: B

32) Which statement is NOT true about plumbing standards based on Republic Act 1378 which is known as "Plumbing Law"?

- a. Each fixture directly connected to the drainage system shall be equipped with a water-sealed trap.
- b. Plumbing shall be designed and adjusted to use the maximum quantity of water consistent with proper performance and cleaning.
- c. Water closet must be located in a room which is properly lighted and ventilated.
- d. No substance which will clog the pipes, produce explosive mixtures, destroy the pipes or their joints or interfere unduly with the sewage disposal process shall be allowed to enter the building drainage system.

Ans: B

33) A compartment that receives solid or liquid waste, located below the normal grade of the gravity system is called

_____.

- a. septic
- b. sump
- c. trap
- d. interceptor

Ans: A

34) Which is true toxic substance?

- a. Hazardous to human health
- b. A fixture drain for a laboratory
- c. Not hazardous to human health
- d. Bedpan washer and sterilizer drain

Ans: A

35) Water that is safe for drinking, cooking, and personal use is _____.

- a. potable
- b. purified
- c. clean
- d. healthy

Ans: A

36) Which among the following best describes a toilet bowl?

- a. A room or booth containing a toilet
- b. The Box Type compartment holding water for flushing the toilet
- c. An opening in the wall or ceiling near
- d. The device that provides a supply of water and/or its disposal, e.g. sinks, tubs, toilet

Ans: B

37) Plumbing ventilation means to _____.

- a. carry sewer gas out and relieve pressure of the drainage system
- b. discourage corrosion in the drainage piping
- c. maintain the trap seals
- d. give pressure differentials in the public sewer

Ans: A

38) Rainwater from the roof down to the ground passes through what pipe?

- a. Down spout

- b. Conductor
- c. Gutter
- d. Vent

Ans: A

39) A pipe that conveys only liquid waste is called _____.

- a. vent pipe
- b. soil pipe
- c. main pipe
- d. waste pipe

Ans: D

40) If you install water supply inside the building, what is the diameter of pipes needed?

- a. 4 inches
- b. 1 inch
- c. 0.75 inch
- d. 0.5 inch

Ans: D

41) In which type of pipes does portable water travel

- a. ABS pipes
- b. Galvanized pipes
- c. Cast iron pipes
- d. PVC pipes (orange)

Ans: B

42) If your water system has leak, where can you shut off the flow of water?

- a. Gate valve
- b. Globe valve
- c. Check valve
- d. Angle valve

Ans: A

43) A plumber wants to install a liquid seal to prevent sewer gasses from entering the building. What device is needed?

- a. Union
- b. Trap
- c. Backflow preventer

d. Pump

Ans: C

44) A plumber wants to shut off the flow of water just 90 degrees turn. Which valve is appropriate?

- a. Gate valve
- b. Globe valve
- c. Check valve
- d. Angle valve

Ans: B

45) What do you call those flexible waterproof ribbon for covering threaded pipes joints to prevent leakage?

- a. Rubber bond
- b. Masking tape
- c. Teflon tape
- d. Tape

Ans: C

46) If the end of a PVC pipe is fitted with a male adapter, what fitting will be used to stop the flow of the water?

- a. Elbow
- b. Coupling
- c. Cap
- d. Plug

Ans: C

47) How many PVC pipes can be installed in a 7.50 meter distance?

- a. 2 pcs.
- b. 2.5 pcs.
- c. 3 pcs.
- d. 3.5 pcs.

Ans: B

48) If the end of the PVC pipe is fitted with a female adapter, what fitting will be used to stop the flow of the water?

- a. Elbow
- b. Coupling
- c. Cap
- d. Plug

Ans: D

49) A plumber wants to connect two length of pipes. Which fitting is necessary?

- a. Coupling
- b. Elbow
- c. Tee
- d. Pipe wrench

Ans: A

50) If there is leaking in the water supply of lavatory, sink, and water closet, which valve are you going to shut off?

- a. Gate valve
- b. Globe valve
- c. Check valve
- d. Angle valve

Ans: D

51) If you install a soil pipe, what is the standard pitch or slope?

- a. 5%
- b. 10%
- c. 2%
- d. 1%

Ans: C

52) If you put source of potable water, what is the minimum safe distance from the septic tank?

- a. 15 meters
- b. 10 meters
- c. 5 meters
- d. 20 meters

Ans: A

53) No cesspool, septic tank or drain fields shall be located within how many meter radius from the well?

- a. 15 meters
- b. 10 meters
- c. 50 meters
- d. 45 meters

Ans: D

54) If you plan to drill for a well that can supply water for public use, what is the minimum meter radius from a well to the residences?

- a. 150 meters
- b. 100 meters

- c. 50 meters
- d. 200 meters

Ans: B

55) Every trap for bath tubs, lavatories, sink, and other similar fixture shall be _____.

- a. self-regulating
- b. tight
- c. fix
- d. self-cleaning

Ans: D

56) There should be no concrete sanitary sewers existing within how many meter radius from the well?

- a. 15 meters
- b. 10 meters
- c. 50 meters
- d. 45 meters

Ans: A

57) The standard length of a PVC pipe is _____.

- a. 12 ft.
- b. 2.0 m
- c. 6.0 m
- d. 10 ft.

Ans: D

58) If you want to estimate the number of G.I. pipes needed from your house to the main supply, what is the standard length of a G.I. pipe that you are going to use?

- a. 20.0 m
- b. 6 ft.
- c. 3.0 m
- d. 20 ft.

Ans: B

59) If you want to estimate the number of PVC pipes needed from your house to the main supply, what is the standard length of a PVC pipe that you are going to use?

- a. 20.0 m
- b. 6 ft.
- c. 3.0 m
- d. 20 ft.

Ans: C

60) All plumbing fixtures must have P-trap, EXCEPT:

- a. lavatory
- b. water closet
- c. sink
- d. bath tub

Ans: A