

TLE Part 2

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

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

3. The semi-liquid substance accumulated at the bottom of the septic tank.
 - a. Scum
 - b. Sediment
 - c. Sludge
 - d. Silt

4. An underground tunnel that carries off the drainage and waste matter from a home or town is called:
 - a. Drainage system
 - b. b. Fixture
 - c. Sewerage
 - d. d. Sewer

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

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

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

8. The kind of fitting used to connect fixed pipe and fixtures is a _____.
 - a. Wye fitting
 - b. Coupling
 - c. Union fitting
 - d. Reducer

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

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

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

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

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

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.

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

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

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
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
19. A metal or plastic fitting used to connect smaller pipe from a larger pipe.
- a. Reducer
 - b. Elbow
 - c. Union
 - d. Coupling
20. As a basic prerequisite for most plumbing project, what should be connected for each faucet, toilet, and fixtures?
- a. Fixture shutoffs
 - b. b. Main shutoffs
 - c. Intermediate shutoffs
 - d. Valves
21. A plumber wants to tighten and loosen pipes. Which tool is appropriate?
- a. Pipe cutter
 - b. Flux
 - c. Pipe wrench
 - d. Butane torch
22. A plumber wants to cut metal pipe. Which tool is appropriate?
- a. Hacksaw
 - b. b. Back saw
 - c. c. Handsaw
 - d. d. Drywall knife
23. Metal with semi-rigid auger whose end is usually fitted with a hook or corkscrew is called _____.
- a. plumber's snake
 - b. b. plunger
 - c. valve
 - d. d. bushing

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?
- plumber's snake
 - valve
 - plunger
 - d. bushing
25. Which plumbing tool is used for gripping large pipes and irregular objects?
- monkey wrench
 - chain wrench
 - yoke vise
 - d. pipe wrench
26. A plumber wants to create thread outside pipe by hand. Which tool is appropriate?
- Pipe cutter
 - Pipe threader
 - Yoke vise
 - Pipe wrench
27. A plumber wants to cut pipes. Which holding tool is needed?
- Vise grip
 - Pipe threader
 - c. Yoke vise
 - Pipe wrench
28. A plumber wants to hold pipe by hand. What tool is needed?
- Vise grip
 - Pipe threader
 - c. Yoke vise
 - Pipe wrench
29. The following are good plumbing practices, EXCEPT:
- rainwater harvesting
 - water conservation
 - gray water recycling
 - d. excessive water consumption
30. Water contaminants are being forced back into the water piping system. Which term is referred to?
- Water flow
 - b. Back flow
 - c. Pressure
 - d. Harvesting
31. The following are examples of plumbing fixtures, EXCEPT:
- water closet
 - b. drainage
 - c. shower
 - d. urinals

32. Which statement is NOT true about plumbing standards based on Republic Act 1378 which is known as "Plumbing Law"?
- Each fixture directly connected to the drainage system shall be equipped with a water-sealed trap.
 - Plumbing shall be designed and adjusted to use the maximum quantity of water consistent with proper performance and cleaning.
 - 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.
33. A compartment that receives solid or liquid waste, located below the normal grade of the gravity system is called_____.
- septic
 - sump
 - trap
 - interceptor
34. Which is true toxic substance?
- Hazardous to human health
 - A fixture drain for a laboratory
 - Not hazardous to human health
 - Bedpan washer and sterilizer drain
35. Water that is safe for drinking, cooking, and personal use is _____.
- Potable
 - Purified
 - Clean
 - healthy
36. Which among the following best describes a toilet bowl?
- A room or booth containing a toilet
 - The Box Type compartment holding water for flushing the toilet
 - 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
37. Plumbing ventilation means to_____.
- carry sewer gas out and relieve pressure of the drainage system
 - discourage corrosion in the drainage piping
 - maintain the trap seals
 - give pressure differentials in the public sewer
38. Rainwater from the roof down to the ground passes through what pipe?
- Down spout
 - b. Conductor
 - c. Gutter
 - d. Vent
39. A pipe that conveys only liquid waste is called _____.
- vent pipe
 - b. soil pipe

- c. c. main pipe
- d. d. waste pipe

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

41. In which type of pipes does portable water travel

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

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

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

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

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

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

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

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

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.

48. If the end of the PVC pipe is fitted with a female adopter, what fitting will be used to stop the flow of the water?
- a. Elbow
 - b. Coupling
 - c. Cap
 - d. Plug
49. A plumber wants to connect two length of pipes. Which fitting is necessary?
- a. Coupling
 - b. Elbow
 - c. Tee
 - d. Pipe wrench
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
51. If you install a soil pipe, what is the standard pitch or slope?
- a. 5%
 - b. 10%
 - c. 2%
 - d. 1%
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
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
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
55. Every trap for bath tubs, lavatories, sink, and other similar fixture shall be_____.

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

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

57. The standard length of a PVC pipe is_____.

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

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.

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.

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

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

Answer Keys:

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

31. B
32. B
33. A
34. A
35. A
36. B
37. A
38. A
39. D
40. D
41. B
42. A
43. C
44. B
45. C
46. C
47. B
48. D
49. A
50. D
51. C
52. A
53. D
54. B
55. D
56. A
57. D
58. B
59. C
60. A