MEPFS ENGINEER REVIEW

MECHANICAL. ELECTRICAL. PLUMBING. FIRE PROTECTION. STRUCTURAL
Unit1 Mezzanine Floor, 160 LL Bldg., Edsa cor. Panay Ave., Quezon City

PLUMBING CODE QUESTION BANK I

NAME PAYNAGANAN

History

1. The legality of Revised Plumbing Code of the Phils last 1999 was base on what Section of RA 1378?
   a. Section 2 b. Section 3 c. Section 4 d. None of the Above

2. Date of Signing of Plumbing Law of the Philippines.
   a. June 18, 1956 b. June 18, 1957 c. June 17, 1955 d. June 18, 1955

3. The first Master Plumbers in the Philippines who adopted Plumbing Code of United States.
   a. John Hass b. Governor General Harrison c. Jose Rizal

4. Date of first amendments of National Plumbing Code of the Philippines.
   a. November 28, 1967 b. November 28, 1968 c. November 29, 1967 d. November 29, 1968

5. Date of signing by Pres Joseph Estrada of Revised Plumbing Code of 1999?
   a. December 20, 1999 b. December 22, 1999 c. December 21, 1999 d. December 23, 1999

6. What is the referral Code of Republic Act No. 6541 known as Building Code of the Philippines?
   a. National Plumbing Code of 1955 b. National Plumbing Code of 1959
   b. National Plumbing Code of 1958 d. National Plumbing Code of 1954

7. Basic principles listed in Revised Plumbing Code of 1999 was base on what Section of RA 1378?
   a. Section 4 b. Section 3 c. Section 5 d. None of the Above

8. The Following are author of Plumbing Engineering Bill in Senate And Congress Except:
   a. Sen Antonio Trillanes b. Sen. Chiz Escudero c. Cong Karlo Nograles d. Cong Carlos Padilla.

9. Is the use of Air Admitance Valve as an alternative of Vent pipes a violation of Principle No. 12 on our Revised Plumbing Code of 1999?
a. May be b. No c. Yes d. Need Approval of Administrative Authority

10. When was the Board of Master Plumber Resolution No. 04 Series of 1999 that covered the Adoption and Promulgation of Revised Plumbing Code of the Philippines approved?.
   a. September 30, 1998. b. September 29, 1999. c. September 30, 1999. d. September 29, 1998.

Code of Ethics

11. To advertise in self-laudatory language,, or in any other manner _____to the dignity of the of the Registered Master Plumber.
a. derogatory b. Master Plumber's Profession
c. personal supervision d. reducing his usual charges

12. To act in any manner or engage in any practice which will tend to bring discredit on the honor or dignity of the _____. It shall be considered unprofessional and inconsistent with honorable and dignified bearing for any registered master plumber:

a. self-laudatory language b. Master Plumber's Profession
c. personal supervision d. reducing his usual charges

PLUMBING CODE QUESTION BANK I

13. To attempt to _____ falsely or maliciously, directly or indirectly, the. professional reputation , prospects, or business of another Master Plumber.
a. bolster b. defame c injure d. None of the above

14.To review the work of another Master Plumber for the same client, except with the knowledge or consent of such Master Plumber, or unless the connection of such master Plumber with the work has _____.
a. to supplant b. officially terminated c. the professional reputation d. a faithful agent or trustee

Basic Principles

15. All premises intended for human use or habitation shall be provided with a supply of pure and wholesome water, neither connected to unsafe water supply nor subject to backflow or _____.
a. reverse flow b. back –siphonage c. counterflow d.None of the Above

16.Plumbing fixtures, devices and appurtenances shall be supplied with water in sufficient volume and pressure adequate to function satisfactorily and without undue _____.
a. Disturbance b. odor c. Noise d. None of the Above

17. Plumbing shall be designed and adjusted to use the _____ quantity of water consistent with proper performance and cleaning.
a. Maximum b. Minimum c. satisfactory d. None of the Above.

18.. Devices for heating and storing water shall be so designed and installed as to prevent dangers from_____ through overheating.
a. Explosion b. burst c. rupture d. None of the above

19. Every building abutting on a street, alley or easement with a public sewer shall connect its plumbing fixtures to the_____ system.
a. Plumbing b. Storm c. Sewer d. None of The Above

20. Each family dwelling unit shall have at least one water closet, one kitchen type sink, a lavatory and a bathtub or shower to meet the basic requirements of sanitation and _____.
a. performance b. Personal Hygiene c. Cleaning d.None of the Above

21. Plumbing fixtures shall be made of _____ non-absorbent material, free from concealed fouling surfaces and shall be located in ventilated enclosures.
a.Transparent b, new c. Smooth d, None of the Above

22. The _____ system shall be designed, constructed and maintained to safeguard against fouling, deposit of solids, clogging and with adequate cleanouts so arranged that the pipes may be readily cleaned.
a. Plumbing b. Storm c. Drainage d. None of the Above

23. All piping shall be of _____ NAMPAP-approved materials, free from defective workmanship, designed and constructed by Registered Master Plumbers to ensure satisfactory service.
a. Strong b.durable c. proven d.None of the Above

PLUMBING CODE QUESTION BANK I

24. Each fixture directly connected to the drainage system shall be equipped with a _____-sealed trap.
a.air b. gas c.water d. None of the Above

25. The drainage pipes piping system shall be designed to provide adequate _____ of air free from siphonage, aspiration or forcing of trap seals under ordinary use.
a. Ventilation b. Circulation c.Spacing d. None of the Above

26. Vent _____ shall extend to the outer air and installed to prevent clogging and the return of foul air to the building.
a. Outlet b. opening c. Terminals d. None of the Above

27. Plumbing systems shall be subjected to such tests to effectively disclose all leaks and defects in the_____.
a. performance b. workmanship c. a & b d. None Of the Above

28. _____ which will clog the pipes, produce explosive mixtures, destroy the pipes or their joints or interfere unduly with the sewage-disposal process shall not be allowed to enter the building drainage system.
a. Chemical b. Substance c. a & b d. None of the Above

29. Proper protection shall be provided to prevent contamination of food, water, sterile goods and similar materials by backflow of sewage. When necessary, the fixture, device or appliance shall be connected_____ with the building drainage system.
a. Directly b. Indirectly c. series d. None of the Above

30. No water closet shall be located in a room or compartment which is not properly lighted and _____.
a. spaced b. arranged c. ventilated d, None of the Above

31. If there is no sewer system in the area, _____ provision shall be made for the disposal of building sewage by some accepted method of sewage treatment and disposal, such as a septic tank.
a. appropriate b. equivalent c. suitable d. None of the Above

32. Where a plumbing drainage system may be subject to backflow of sewage, suitable provision shall be made to _____its overflow in the building.
a. arrest b. cure c. prevent d. None of the Above

33. _____ systems shall be maintained in serviceable condition by Registered Master Plumbers.
a. Water b. Plumbing c. Sewer d. None of The Above

34. All plumbing fixtures shall be _____properly spaced, to be accessible for their intended use.
a. designed b. fabricated c. installed d. None of the Above

35. Plumbing shall be installed with due regard to the preservation of the _____ of structural members and the prevention of damage to walls and other surfaces through fixture usage.
a. strength b. integrity c. soundness d. None of the Above

PLUMBING CODE QUESTION BANK I

36.. Sewage or other waste from plumbing systems, which may be deleterious to surface or sub-surface waters shall not be discharged into the ground or into any waterway, unless first rendered _____ through subjection to some acceptable form
a.. treated b, innocuous c. a & b d. None of the Above

PERMITS & REGULATIONS

37. Which of the following is the intent of the plumbing code?
a.To produce revenue for the local jurisdiction
b. To insure public safety
c. To regulate plumbers
d. All of the above

38. When is an alteration or repair to an existing plumbing system in violation of the plumbing code?
a.When it is done without permit
b.When it is not done by a master plumber
c. When it renders the plumbing system unsafe
d. Any of the above

39.. When is an alteration or repair to an existing plumbing system in violation of the plumbing code?
a.When it is done without prior code approval
b. When it is not done by a master plumber
c. When it adversely affects the performance of the plumbing system
d. Any of the above

40..All plumbing repairs and replacements are required to be made in what manner?
a.By a master plumber
b. In compliance with the local plumbing code
c. By a journeyman plumber
d. Both a & b

41. All plumbing repairs and replacements are required to be made in what manner?
a.By a master plumber
b.In compliance with the local plumbing code
c.In a safe and sanitary manner
d. Both a & b

42..When minor repairs or replacements are made to an existing plumbing system, which of the following rules apply?
a.All work must be brought up to current code requirements for new plumbing
b.The repair or replacement may be made in the same manner and arrangement as an existing system
c. A permit must be obtained
d. Both b & c

43.Who has a right to modify the provisions of the local plumbing code?
a. The mayor
b. A master plumber
c. A code official
d. Any of the above

44..Variances of the code are sometimes approved if it is felt by the proper authorities that there is just cause for the request. If a variance is requested, who is required to make the request?
a.A master plumber
b.A property owner
c. A property owner's representative
d. A. journeyman plumber
e. either a or d
f. either b or c

PLUMBING CODE QUESTION BANK I

45. When a variance to a code requirement is requested, how should be request be made?
a.In person
b. In writing
c. By phone
d. In the presence of the appeal board

46.When a variance from the plumbing code is requested, it may be approved if the alteration is considered to be in the spirit and intent of the code and does not represent a risk to public health, safety and welfare. Who has the authority to grant a variance?
a.The clerk of the court
b.The mayor
c. a code official
d. an independent engineering firm

47..Who has the authority to authorize the use of previously used plumbing materials and equipment?
a. A master plumber
b. A property owner's representative
c. the property
d. a local code official

48. Before used plumbing materials or equipment can be approved for use in new applications, the materials or equipment must be:
a.Reconditioned
b. Tested
c. Placed in working order
d. approved
e. all of the above

49.Who has the authority to allow the use of materials and equipment that are not covered in the code book?
a. A property owner
b. A property owner's representative
c. An independent engineering firm
d. A code official

50.For an alternative material or piece of equipment to be approved for use, it must meet which of the following criteria?
a.The design must be satisfactory of the code
b. It must comply with the intent
c. It must be approved by the property owner
d. It must be approved by the Master Plumber's Guild
e.Both a & b
f. Both b& c

51..If an alternative material is submitted for approval, the local code official may request that research and investigation be conducted to prove the material suitable for use. Who is responsible for the cost of such research and investigation?
a. The master plumber
b. The applicant of the request for acceptance
c. The property owner
d. The code enforcement office

52. According to the plumbing code, who is the executive official in charge of the code?
a.The code official
b. The mayor
c. the clerk of the court
d. the town council

53..Who is responsible for code-compliance inspection of plumbing system?
a.The master plumber
b.The property owner
c. the code official
d. the Fire Marshall

PLUMBING CODE QUESTION BANK I

54..Who is responsible for keeping records of applications received, permits and certificates issued, fees collected reports of inspection made, and notices and orders issued in regards to the plumbing code?
a.The health department
b.The public works department
c.The local code official
d.The Master Plumber involved in the work being performed

55.When a plumbing permit is required for proposed work, the work may not be commenced until:
a.A permit is applied for
b.A permit is approved
c. A permit is issued
d. A permit is signed by a code official

56.Which of the following types of work requires plumbing permit?
a.The replacement of an electric water heater
b. The repair of a pipe that froze and split
c. The replacement of a faucet stem
d. The clearance of a drain stoppage
e. The replacement of a faulty gate valve

57.Which of the following individuals will not normally be eligible to receive a plumbing permit?
a. A master plumber
b.A journeyman plumber
c. A property owner who will personally perform all plumbing work described in the permit application on a primary residence owned by that person
d. Both b & c

58.A plumbing permit is not valid until it is:
a.Posted in a conspicuous place on the job site.
b.Signed by the master plumber, or an authorize representative
c. Signed by code official, or an authorize representative
d. Both b & c

59. As a journey plumber, you will not bear the burden that a master plumber does in the areas of administration that pertain to permit acquisition. You will, however, be responsible for parts of the compliance required by a permit. As a journeyman plumber who is installing plumbing under a permit obtained by a master plumber, you must adhere to which of the following rules?
a.All works must be done under the direct supervision of a master plumber
b.All works must be done in compliance with the plumbing code
c.All work must be done in the manner as it was expressed to the code official at the time of application for the permit
d. All of the above

60. While you are working on a job, as a journeyman plumber, you are required to have what records accessible to the local code official at all times?
a.Material invoices
b.Test results from previous inspections
c.Previous inspection result
d.Both b & c

PLUMBING CODE QUESTION BANK I

61. When will a code officer issue a notice of approval for a plumbing system?
a.When all work is complete
b.When all tests and inspections prove the works is in compliance with the local plumbing code
c.When requested in writing to do so
d. When the owner of a property requests a notice of approval

62.According to the plumbing code, what constitute good workmanship?
a.Any work done by a licensed master plumber
b.Any work that is clean and neat
c.Any work the secures the result intended by the plumbing code
d.Any work acceptable to the property owner

63.Work which requires a plumbing permit may not be started until _____.
a.A permit is applied for c. Either a or b
b.A permit is issued d. Neither a or b

64. A permit is not required for the repairs that involve only _____.
a.Relocation of fixtures
b.The working parts of faucets and valves
c.The replacement of water heaters
d. None of the above

DEFINITION

65._____ a pipe connecting upward from a soil or waste stack below the floor and below horizontal connection to an adjacent vent stack at a point above the floor and higher than highest spill level of fixtures for preventing pressure changes in the stacks.
a. Vent b. Branch c. Yoke d. riser

66._____ -the pipe or tubing that connects the outlet of a plumbing fixture to the trap.
a. Vent b. Tail Piece c. End Piece d. Tail Piece

67. Dry _____-- having no permanent water inside the pipe.
a.Vent Pipe b. Riser Pipe c. Stand Pipe d. Downfeed pipe

68. SIAMESE CONNECTION - a hose fitting with _____ for combining the flow from two or more lines of hose into a single stream. The inlet fitting of a fire standpipe located above ground level.
a. check valves b. globe valves c. clapper valves d. None of the above

69._____- an unobstructed top open edge of a fixture
a.Flood level b. Critical level c. rim d. None of the above

70. PLUMBING SYSTEM - includes all potable water supply and distribution pipes, all plumbing fixtures and traps; all sanitary and storm drainage systems, vent pipes, roof drains, leaders and downspouts; and all building drains and sewers, including their respective joints and connections; devices, receptacles, and appurtenances within the property water lines in the premises: potable, tap, hot and chilled water pipings; potable water treating or using equipment; _____; water heaters and vents for same.
a.Medical Gas Piping b. fuel gas piping c. compressed air piping d. None pf the Above

PLUMBING CODE QUESTION BANK I

71. PLUMBING UNIT - a minimum standard quantity of plumbing fixtures that discharge wastes into a plumbing installation including: one (1) water meter, one (1) water closet, one (1) lavatory, one (I) shower head and drain for a bathtub or shower stall, one (1) kitchen sink, one (1) laundry tray and ___3___ f1oor drains
a.5 b. 6 c. 4 d. None of the above

72. GREASE INTERCEPTOR - an interceptor of at least ____cubic meters capacity to serve one or more fixtures and which is remotely located.
a. 5 b. 6 c. 3 d. 4

73. _____- a return bend of small-sized pipe, one end of which is about 30 cm. long and the other end is about 7.5 cm. long. It is commonly used as a faucet for a pantry sink. Also, the term means the flexible tubing connection between a service pipe and a water main.
a. nipple b. gooseneck c. ferulle d. None of the above

74. _____- is a device, which discharges a predetermined quantity of water into fixtures for flushing purposes and is actuated by direct water pressure.
a.Check Valve b. Gate Valve c. Flushometer Valve d. None of the above

75. _____ SYSTEM- a term used to describe soil or waste system where all pipings are of threaded pipe, tubing or other such rigid construction using recessed drainage fittings to correspond to the types of piping.
a.Plumbing b. Durham c. Sanitary d. None of the above

RELATED LAWS

76. Sanitation Code of the Philippine is _____.
a.PD 1364 b. PD 1185 c. PD 1378 D. PD 856

77. Fire Code of the Philippine is _____.
a.PD 1364 b. PD 1185 c. PD 1378 D. PD 856

78. Clean Water Act of the Philippine is _____.
a. PD 9275 b. PD 1067 c. PD 1378 D. PD 8749

79. Clean Air Act of the Philippine is _____.
a. PD 9275 b. PD 1067 c. PD 1378 D. PD 8749

80.What is DA0 No. 34 Series of 1990 all about?
a. Revised Effluent Regulation of 1990 b. Revised Water Usage/Clasiffication/Water Quality Criteria
c. Philippine National Standard for Effluent Discharge of 2007
d. Philippine National Standard for Drinking Water of 2007

81.What is DA0 No. 35 Series of 1990 all about?
a. Revised Effluent Regulation of 1990 b. Revised Water Usage/Clasiffication/Water Quality Criteria
c. Philippine National Standard for Effluent Discharge of 2007
d. Philippine National Standard for Drinking Water of 2007

PLUMBING CODE QUESTION BANK I

82.What is DOH Administrative Order No. 2007- 0012 all about?
a. Revised Effluent Regulation of 1990 b. Revised Water Usage/Clasiffication/Water Quality Criteria
c. Philippine National Standard for Effluent Discharge of 2007
d. Philippine National Standard for Drinking Water of 2007

83. Water Code of the Philippine is _____.
a. PD 9275 b. PD 1067 c. PD 1378 D. PD 1067

84. Accessibility Law of the Philippine is _____.
a. PD 9275 b. PD 1067 c. BP 220 D. BP 344

85. According . Accessibility Law Accessible toilet compartments shall have the following a minimum area of ____.
a.1.60 m x 1.80 m. b. 1.50 m x 1.80 m. c. 1.80 m x 1.80 m. d. 1.70 m x 1.80 m.

86. According to . Accessibility Law A turning space of ____ sq. m with a minimum dimension of _____mm for wheelchair users shall be provided outside water closet cubicles.
a.2.15 , 1500 b. 2.25 , 1800 c. 2.25 , 1500 d. 2.30 , 1800

87. According to . Accessibility Law a minimum of one accessible to persons with disabilities water closet in every floor for every ____ regular water closet.
a. 20 b. 25 c. 15 d. None of the above

88. According to . Accessibility Law the maximum height of toilet seat for persons with disabilities is _____?
a.450 mm b. 500 mm c. 400 mm d. None of the above

89. According to . Accessibility Law the maximum height of lavatory for persons with disabilities is _____with knee recess of 0.60m-0.70m depth of 0.50m?

a.700 mm b. 480 mm c. 600 mm d. None of the above

90. According to Accessibility Law Urinals shall be of the wall-hung type and should have an elongated lip; the maximum height of the lip should be 480 mm from the toilet floor.
a.700 mm b. 480 mm c. 600 mm d. None of the above

91. In accordance with National Building Code how much be the plumbing fee for Plumbing installation of a Water Closet in excess of one Plumbing unit?
a. P2.00 b. P9.00 c. P8.00 d. P7.00

92. In accordance with National Building Code how much be the plumbing fee for Plumbing installation of a Shower Head in excess of one Plumbing unit?
a. P2.00 b. P9.00 c. P8.00 d. P7.00

93. In accordance with National Building Code how much be the plumbing fee for Plumbing installation of a Dental Cuspidor?
a. P10.00 b. P9.00 c. P8.00 d. P4.00

PLUMBING CODE QUESTION BANK I

94. In accordance with National Building Code how much be the plumbing fee for Plumbing installation of a 15 cu mts Septic tank?
a. P199.00 b. P100.00 c. P200.00 d. P99.00

95. The term BOD means
a. Biological Oxygen Demand b. Biochemical Oxygen Demand c. Bio Oxygen Demand d. none

96. The term COD means
a. Chemical Oxygen Demand b. Calcium Oxygen Demand c. Cadium Oxygen Demand d. none

97. The term Engineer in the Code of Sanitation of the Philippines means
a. Chemical Engineer b. Civil Engineer c. Sanitary Engineer d. Plumbing Engineer

98. The term TSS means
a. Total Solid Suspended b. Total Suspended Solids c. Total Sulfuric Solids d. None
99. The term TDS means
a. Total Dissolved Solids b. Total DiOxygen Solids c. Total Dynamic Solids d. None

100. Identify below which types of water examination for drinking water
a. Physical b. Chemical c. Bacteriological d. all mentioned in letters a, b, and c

"Intellect is not found in the answer, but in the question. Those who can question things themselves are those who will be able to find answers"

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PLUMBING CODE QUESTION BANK 2

NAME PAYNAGANAN

1.How many ft in one meter?
a.2.58 b. 3.28 c. 4.28 d.None of the above

2.How many mts in one yard?
a.0.814 b. 0.924 c. 0.914 d.None of the above

3.How many mts in one mile ?
a.1509.34 b. 1709.34 c.1609.34 d.None of the above

4.How many inches diameter in 13 mm diameter pipe ?
a.3/8 b. 1/2 c.3/4 d.None of the above

5.How many mm diameter in ¾ inches diameter pipe ?
a. 18 b. 19 c.20 d.None of the above

6.How many pounds in 1.0 kgs ?
a.2.3 b. 2.1 c.2.2 d.None of the above

7.How many liters/minute in one cu ft/minute?
a.28.20 b. 28.4 c. 28.30 d.None of the above

8.How many gallons in one cu. ft?
a.7.48 b. 7.58 c. 7.78 d.None of the above

9.How many liters in one gallon?
a.3.78 b. 4.78 c. 2.78 d.None of the above

10.How many gallons in one cu. mts?
a.264.17 b. 265.17 c. 265.17 d.None of the above

11. How many psi in one atm?
a. 14.7 psi b. 16.7 psi c. 13.7 psi d. 12.7 psi

12. How many mmHg in one atm?
a. 745 mmHg b. 760 mmHg c. 765 mmHg d. 755 mmHg

13. How many tor in one atm?
a.760 b. 745 c. 765 d. 755

14. How many Kpa in one atm?
a. 102.3 b. 101.3 b.103.3 c. None of the Above

15. How many Kpa in one bar?
a. 102.3 b. 100 b.103.3 c. None of the Above

16. Vacuum Pressure is greater than Atmospheric pressure?
a. False b. Maybe c. True. d. None of the above

17. How many BTU per hour in One hp?
a. 2545 b. 2455 c. 2554 d. None of the above

PLUMBING CODE QUESTION BANK 2

18. How many calories per second in one hp?
a.178.1 b. 177.1 c. 179.1 d. None of the above

19. How many ft-lbf in one BTU?
a. 878.16 b. 678.16 c. 778.16 d. 978.16

20. , How many ft-lbf in one calories?
a. 4.088 b. 3.088 c. 2.088 d. 5.088

21. What would be the minimum number of drinking fountains for 7 storey school building?
a. 8 b. 7 c. 9 d. None of the above

22. If there are 4 water closet in a ward room of an hospital, what is the bed capacity of ward room?
a. 42 b. 32 c. 24 d. None of the above

21. What is the water consumption of a private bar sink base on RPCP?
a. 7.48 gpm b. 14.96 gpm c. 22.44 gpm d. 29.92 gpm

22. What is the water consumption of a public bath tub base on RPCP?
a. 7.48 gpm b. 14.96 gpm c. 22.44 gpm d. 29.92 gpm
1 WSFU 2WSFU 3WSFU 4 WSFU

23. What is the water consumption of a public cuspidor base on RPCP?
a. 7.48 gpm b. 14.96 gpm c. 22.44 gpm d. 29.92 gpm

24. What is the water consumption of a private hose bibb base on RPCP?
a.7.48 gpm b. 14.96 gpm c. 22.44 gpm d. 29.92 gpm

25. What is the water consumption of a private flush tank water closet base on RPCP?
a. 7.48 gpm b. 14.96 gpm c. 22.44 gpm d. 29.92 gpm
3 WSFU

26.What is the minimum airgap for water distribution for lavatories with effective opening not greater than 13 mm diameter and affected by side walls?
a. 25 mm b. 38 mm c. 50 mm d. None of the above

27.What is the minimum airgap for water distribution for laundry tray with effective opening not greater than 19 mm diameter and not affected by side walls?
a. 25 mm b. 38 mm c. 50 mm d. None of the above

TABLE 10-1

HORIZONTAL DISTANCE OF TRAP ARMS *(Except for Water Closets and Similar Fixtures)*

TRAP ARM DIAMETER mm	DISTANCE TO VENT m	ITEM NO.
32	0.76	27
38	1.05	28
51	1.52	29
76	1.83	30
102 and larger	3.05	31

PLUMBING CODE QUESTION BANK 2

TABLE 7-2

*** MINIMUM TRAP DIAMETERS and FIXTURE UNITS (DFU) VALUES** **DRAINAGE**

Item No.	FIXTURE	TRAP ARM SIZE Inches	DRAINAGE FIXTURE UNITS (DFU)
32	Baththubs 1 1/2"	x 2"	2
33	Bidets		2
34	Clothes Washer *		2
35	Dental Unit or Cuspidor		1
36	Drinking Fountain	1 1/4"	1
37	Floor Drain	2"	2
38	*Interceptors * for grease, oil, etc*		3
39	Interceptors * for sand, autowash, etc		6
40	Laundry Tubs		2
41	Mobile Home park traps(one for each trailer)		6
42	Receptors *(floor sinks), indirect waste receptors for refrigerators, coffe urns, water station, etc		1
43	Receptors * indirect waste receptors for commercial sinks, dishwashers, air washers,etc		3
44	Shower (single stall)	2"	2
45	Shower * gang(one unit per head)		
46	Sinks and/or dishwashers(residential) 51mm min		2
47	Sinks, bar, commercial 51mm min waste		2
48	*Sinks, bar, private 38mm min waste*		1
49	Sinks, commercial or industrial, school, etc, including dishwashers, wash up sinks, and wash fountains 50.8 mm waste		3
50	Sink, flushing rim, clinic		6
51	Sink, service		3
52	Urinal, pedestal, trap arm only 3"	x 2"	6
53	Urinal, stall, separate trap	2"	2
54	Urinal, wall-mounted, integral trap, trap arm only	2"	3
55	Urinal, wall-mounted, blowout, integral trap, trap arm only	2"	6
56	Urinal, wall-mounted, washdown or siphon jet, integral trap, trap arm only 3"	x 2"	2

PLUMBING CODE QUESTION BANK 2

57	Urinal, wall-mounted, washout, separate trap 50.8mm min waste 1 1/2"	x 2"	2
58	Wash basins, in sets	1 1/2"	2
59	Wash basins (lavatory(single 1 1/4"	x 1 1/2"	1
60	Water Closet, *private installation	3"	4
61	Water Closet, public installation	3"	6

62. Each shower receptor shall be constructed to have a finished dam, curb or threshold of at least _____ lower that the outside floor.
a. 2" b. 3" c. 4" d. 1"

63.Advance Notice - it shall be the duty of the Registered and Licensed Master Plumber doing the work authorized by the permit to notify the · Administrative Authority that said work is ready for inspection. Such notification shall be given not less than _____ days before the work i .. inspected
a. 2 b. 3 c. 5 d. 4

64. Responsibility - it shall be the duty of the _____ of a permit to make sure that the work will stand the tests prescribed before giving notification and provide all the testing equipment and facilities required.
a. Owner b. Master Plumber c. Contractor d. None of the Above

65) Covering or Use - No plumbing or drainage system, building sewer private sewer disposal system or part thereof, shall be covered ,_____ or put into use until it has been inspected, tested and approved as prescribed in the Code
a. Concelled b. Concreted c. used d. None of the Above

66. The testing of the piping of the plumbing, drainage and venting system will be done by?
a. Air test b. Water Test c. a & b d. None of the Above.

67. The _____ test shall be applied to the drainage and vent systems either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly closed, except the highest opening, and the system filled with water to the point of overflow.
a. Air test b. Water Test c. a & b d. None of the Above.

68. If the system is tested in sections, each opening shall be tightly plugged except the highest opening of the section under test, and each section shall be filled with water, but no section shall be tested with less than a _____meter head of water.
a. 2 b. 3 c. 4 d. 5

69. In testing successive sections at least the upper 3 meters height of the preceding section previously tested shall be tested again so that no joint or pipe in the building (except the uppermost 3 meter of the system) shall have been submitted to a test of not less than 3 meters head of water. The water shall be kept in the piping system or in the portion under test, for at least _____ minutes before inspection starts. The system shall be tight at all joints.
a. 10 b. 15 c. 20 d. 25

PLUMBING CODE QUESTION BANK 2

70. Air test shall be made by attaching an air compressor testing apparatus to any suitable opening, and after closing all other inlets and outlets to the system, air is tc>rccd into the pipe system until there is a uniform gauge pressure of 34.5 KPa or sufficient to balance a column of mercury _____ mm in height. The pressure shall be held without introduction of additional air for a period of at least fifteen (15)minutes.
a.254 b. 255 c. 245 d. None of the above

71. In testing building sewer all points shall be _____.
a. air tight b. water tight c. odourless d. None of the Above.

72. Upon completion of a section or of the entire hot and cold water supply systems, it shall be tested and proved tight under a water pressure not less than the working pressure under which it is to be used plus _____%.
a. 30 b. 50 c. 40 d. 60

73. All shower receptors shall be tested for _____by filling with water to the level of the rough threshold.The test plug shall be so placed that both upper and under sides of the sub-pan shall be subjected to the test at the point where it is clamped to the drain.
a. water-tightness b. air-tightness c. a & b d. None of the above

Section 601 -RUNNING WATER REQUIRED

74.Each plumbing fixture shall be provided with an adequate supply of potable running water so arranged as to flush and keep same in clean and healthful condition as without _____ of backflow or cross-connection.
a. Danger b. probability c. any d. None of the above.

75. Water closets and urinals shall be .flushed by means of an _____ flush tank or flushometer valve.
a. Approved b. standard c. a & b d.None of the above

76. Hot water supply must be located at the_____side of any plumbing installation?
a. Right b.Left c. Either d. All of the above

77. Cold water supply must be located at the_____side of any plumbing installation?
a. Right b.Left c. Either d. All of the above

SECTION 602- UNLAWFUL CONNECTIONS

78. Is inter-connection of potable water and unclean, polluted and used water allowed by any means?
a. No b . Yes c. Not Sure d. None of the above

79.To prevent interconnection problem, what device be installed?
a. Gate Valve b. Back flow preventer c. Approved Backflow Preventer d. None of the above

80. Interconnection from Private water supply and public water supply (NAWASA) will only be allowed with the approval of..
a. Administrative Authority b. DOH c. a & b d. None of the above.

PLUMBING CODE QUESTION BANK 2

CROSS CONNECTION CONTROL

81. Atmospheric Vacuum Breaker (AVB) - consists of a body, a checking member and an atmospheric __.
a. Pressure b. opening c. a & b d. None of the above

82. Double Check Valve Backflow Prevention Assembly (DC) consists of two independently acting internally or externally loaded check valves, four properly located test cocks with cormectors and ____ isolation gate valves.
a. 3 b. 4 c.5 d. 2

83. Pressure Vacuum Breaker Backflow Prevention As!embly (PVB)- consists of a loaded ____ inlet valve, an internally load check valve, two properly located test cocks and two isolation gate valves.
a. water b. vacuum c. air d. None of the above

84. *Reduced Pressure Principle Backflow Prevention Assembly (RP) - consists of two independently* acting internally loaded _____, a differential pressure relief valve, four properly located test cocks and two isolation gate valves.
a. Globe valve b. Check Valve c.a & b d. None of the above

Section 701 –MATERIALS

85.The following pipe materials allowed to be use in Excreta Drainage pipings
a. cast iron, ductile iron, galvanized steel, b. galvanized wrought iron, lead, copper, brass,
c. Series 1000 PVC DWV.extra-strength vitrified clay pipe
d other approved materials having smooth and uniform bore
e.All of the above

86. No galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least _____mrn above ground.
153 b. 152 c. 151 d. None of the above

87.ABS and PVC DWV piping installations shall be used in high Hise buildings, provided that its use shall be the discretion of the Master Plumber/Designer and also with the full _____of the owner.
a.consent b. Approval c. a & b d. None of the Above

88.No vitrified clay pipes or fittings for building drain or sewer shall be used above ground or whenever piping is pressurized by a pump or ejector. They shall be kept at least _____ meter below finish ground level.
0.4 b. 0.5 c 0.3 d. None of the above

89. Drainage fittings shall be of
a. cast iron, malleable iron, b. lead, brass, copper,
c. ABS, PVC, vitrified clay, or other approved materials having a smooth interior waterway of the same diameter as the piping served and all such fittings shall be compatible with the type of pipe used.
d. All of the above

90. Fittings on screwed pipe joints shall be of the _____ drainage type. Burred ends shall be reamed to the full bore of the pipe.
Offset b. recessed c.Angled d. None of the above

PLUMBING CODE QUESTION BANK 2

91. The threads of drainage fittings shall be tapped to allow two (2) percent or _____grade.
a. 23 m.m/m b. 22 m.m/m c. 21 m.m/m d. None of the above

92. The minimum distance required between a Septic Tank and Water supply wells.
a. 1.5m b. 15.2 m c. 3 m d. 2.4 e. 3.7 m

93. The minimum distance required between a Septic Tank and Building Structure.
a. 1.5m b. 15.2 m c. 3 m d. 2.4 e. 3.7 m

94. The minimum distance required between a Septic Tank and Pressure Public Water Main.
a. 1.5m b. 15.2 m c. 3 m d. 2.4 e. 3.7 m

95. The minimum distance required between a Cesspool and Water supply wells.
a. 1.5m b. 15.2 m c. 30.5 m d. 2.4 e. 45.7 m

96. The minimum distance required between a Disposable Field and Streams.
a. 1.5m b. 15.2 m c. 30.5 m d. 2.4 e. 45.7 m

97. The minimum distance required between a Disposable Field and Seepage Pit.
a. 1.5m b. 15.2 m c. 3 m d. 2.4 e. 3.7 m

98. The minimum distance required between a Building Sewer and On site Domestic Water Service Main
a. 1.5m b. 15.2 m c. 3 m d. 0.40 m e. 0.30 m

99. The minimum distance required between a Building sewer and Water supply wells.
a. 1.5m b. 15.2 m c. 3 m d. 2.4 e. 3.7 m

100. The minimum distance required between a Septic Tank and Trees.
a. 1.5m b. 15.2 m c. 3 m d. 2.4 e. 3.7 m

"Intellect is not found in the answer, but in the question. Those who can question things themselves are those who will be able to find answers"

PLUMBING CODE QUESTION BANK 3

NAME DAYNAGANAN

Give the meaning of the following abbreviated Terms .

1. PSUMP –
2. PSPE -
3. NAMPAP –
4. PRC –
5. BOMP –
6. DTI –
7. AHAM –
8. ANSI –
9. ASME –
10. ASSE –
11. PSSE -
12. ASTM –
13. AWWA –
14. CISPi –
15. CS & PS –
16. FS –
17. IAPMO –
18. PDI –
19. PNS –
20. UL –
21. WQA –
22. ISO –
23. EN –
24. DWV –
25. CPVC –
26. PVC -
27. IPS –
28. PB –
29. PE –
30. ABS –
31. CPE –
32. MWSS -
33. PAGASA –
34. PSME –
35. LWUA -
36. HDPE –
37. MDPE –
38. LDPE –
39. PPR -
40. NFPA –

PLUMBING CODE QUESTION BANK 3

TABLE A-1

DEMAND WEIGHT OF FIXTURES IN WATER SUPPLY FIXTURE UNITS[1]

FIXTURE TYPE[2]	MINIMUM CONNECTION		MINIMUM CONNECTION	
	ITEM NO.	COLD WATER	ITEM NO.	HOT WATER
Bathtub	41		42	
Bedpan washer	43			
Bidet			44	
Combination sink and tray	45			
Dental unit or cuspidor	47			
Dental lavatory	48		49	
Drinking fountain	50			
Kitchen sink	51			
LavatOry	52			
Laundry tray (1 or 2 compartments)	53			
Shower, each head[4]	54			
Sink, service	55			
Urinal, pedestal	56			
Urinal (wall lip)				
Urinal stall				
Urinal with flush tank				
Wash sink, circular or multiple (each of faucets)	57			
Water Closet				
Flushometer tank	58			
Flushometer valve	59			
Flush tank	60			

1. For supply outlets likely to impose continous demands, estimate continous supply separately and add total demand for fixtures.

2. For fixtures not listed, weights may be assumed by comparing the fixture to a listed one using water in similar quantities and at similar rates.

3. The given weights are for total demand for fixtures with both hot and cold water supplies. The weights for maximum separate demands may be taken as seventy five(75) percent of the listed demand for the supply

4. Shower over bathtub does not add fixture unit to the group.

61. When Disposable Field are installed, a minimum area of ___ sq mts of trench bottom shall be provided for each system exclusive of any hard pan, rock, or other impervous formation.
a. 15 b. 14 c. 16 d. 13

PLUMBING CODE QUESTION BANK 3

62. Where leaching beds are permitted in lieu of trenches , the area of each such bed shall at least ____% greater than the tubular requirements for trences.
a. 30 b. 40 c. 50 d. None of the above

63. No excavation for a leach line or leach bed shall extend within ___m of the water table nor to a depth where sewage may contaminate the underground water stratum that is usable for domestic purposes
a. 2 b. 1.5 c 1 d. None of the Above

64. The minimum required area of porous formation shall be provided in one or more seepage pits. No excavation shall extend within ___·m of the water table nor to a depth where sewage may contaminated underground water stratum that is usable tor domestic purposes.
a. 2 b. 3 c. 4 d. 1.5

65. For soil having questionable absorption capacity a _____ test is required.
a. Water b. air c. Percolation d. None of the Above

66. How many compartments a septic tank have under RPCP?
a. 3 b. 4 c. 2 d.6

67. Minimum capacity of digestive chamber of a septic tank as per RPCP.
a. 1 cu mts b. 2 cu mts c. 3 cu mts d. 4 cu mts

68. Minimum capacity of leaching chamber of a septic tank as per RPCP.
a. 1 cu mts b. 2 cu mts c. 3 cu mts d. 4 cu mts

69. Minimum depth of a septic tank as per RPCP.
a. 1.20 mts b. 0.6 mts c. 1.80 mts d. 0.90 mts

70. Maximum depth of a septic tank as per RPCP.
a. 1.20 mts b. 0.6 c. 1.80 mts d. 0.90 mts

71. Minimum width of a septic tank as per RPCP.
a. 1.20 mts b. 0.6 c. 1.80 mts d. 0.90 mts

72. If septic tank has over 6 cu mts capacity, the secondary compartment must at least ___m.
a. 1.20 mts b. 1.5 mts c. 1.80 mts d. 0.90 mts

73. Minimum dimension of Septic tank manhole.
a. 508mm x 508 mm b. 608mm x 608 mm c.408mm x 408 mm d. None of the Above

74. When the length of first compartment exceed _____mts additional manhole must be provided over the wall of baffles.
a. 3.5 b. 3.6 c. 3.7 d. 4.0

75. The inlet and outlet pipe openings shall be not ____in size than. the connecting sewer pipe.
a. more b. less c. either d. None of the Above

76. The vertical leg of a round inlet and outlet fittings shall not be less in size than the connecting sewer pipe nor less than _____ mm.
a.150 b. 120 c. 104.8 d. 102.5

PLUMBING CODE QUESTION BANK 3

77. A baffle type fitting shall have the equivalent cross-sectional area of the connecting sewer pipe and not less than a _____ mm horizontal dimension when measured at the inlet and outlet pipe invert.
a.150 b. 120 c. 106.6 d. 102.5

78. What is the diffirence in invert elevation between inlet and out pipe of a Septic Tank?
a. 1" b.2" c. 1" b.2" c. 3" d. 4"

79. The inlet or outlet pipe must submerge ast least _____mts from the surface of the water.
a.12" b. 10" c.6" d.None of the above

80. The inlet or outlet pipe must extend at least _____mts from the surface of the water.
a. 2" b. 4" c.6" d.None of the above

81. The side walls shall extend at least _____ mm above the liquid depth. The cover of the septic tank shall be at least 50.8 mm above the back vent openings.
a. 200 b.228.6 c.218.6 d. None of the above

82.Structural Design capacity of Septic tank cover as per RPCP.
a. 12 kpa b. 14.4 kpa c. 15.4 kpa d. None of the Above

83. Are we allowed to use wooden Septic tank?
a. Yes b. May be c. No. d. None of the Above

84. The minimum wall thickness of any steel tank shall be No.____ U.S. gauge and each such tank shall be protected from corrosion, both externally and internally, by an approved bituminous coating or by other acceptable means.
a. 10 b. 11 c. 12 d.15

HANGERS AND SUPPORT

Vertical Support

85. Vertical Cast Iron Pipe shall be supported in every_____or closer
a. 3 storey b. 2 storey c. storey d, None of the above

86. Copper Tubing - shall be supported at each storey or at maximum intervals of ____ meters on center.
a. 5 b. 6 c. 3 d. 4

87. Plastic Pipe shall be supported at every _____meter interval
a. 2 b. 1 c. 3 d. 4

88. Lead Pipe shall be suppoted at an interval not exceeding_____mts at the center with rigid Vertical back up.
a. 2.2 b. 1.2 c. 3.2 d. 4.2

Horizontal Support

89. Horizontal Pipe shall be supported at sufficiently close intervals to keep it from in _____ and prevent_____.
a. Straight buckling b. alignment, sagging c. a & b d. None of the Above

PLUMBING CODE QUESTION BANK 3

90. Cast Iron pipe in horizontal position must be supported not more than _____ mts interval.
a. 2 2 b. 1.5 c. 3 d. 4

91. For Cast iron pipe exceed 1.5 mts length, it may be supported at not more than _____meters interval.
a. 2 2 b. 1.5 c. 3 d. 4

92. Horizontal support for within Hub or joint of Cast iron pipe must be place at_____mts to maintain alignment and sagging.
a. 0.50 b. 0.45 c. 0.40 d. 0.55

93. Horizontal support for hubless or compression gasket joints must be in every_____.
a. middle b. joint c. near joint d. none of the above

94. Horizontal support for Screw Pipe shall be supported at approximately _____mts interval for piping 19mm diameter and _____mts for piping larger vthan 19mm diameter..
a. 3, 3.6 b. 3, 3.5 c. 3, 3.4 d. 3, 3.7

95. Horizontal support for Copper tubing shall be supported at approximately _____mts interval for piping 38mm diameter & smaller and _____mts for piping larger than 51mm diameter..
a. 1.8, 3 b1.9, 3 c. 1.8, 4 d. 1.7, 3

96 . Horizontal support for Plastic Pipe shall be supported stiff metal or wood backing for plastic pipe _____ mm and smaller diameter.
a. 25 b.38 c. 50 d. 75

TRENCHING, EXCAVATION AND BACKFILLING

97.Tunnels shall have a clear height of 0.6 mts above the pipe and shall be limited in length to _____ the depth of the trench, with maximum length of _____ mts.
a. 0.6, 2.4 b. 0.5, 2.5 c. 0.5, 2.4 d. None of the above

98. When pipe is driven , the drive pipe shall be at least one pipe _____than the pipe to be laid.
a. smaller b. larger c. 2x d. 3x

99. Trench should be back filled in thin layer of ___mts interval above the top of the pipe with clean earth which shall not contain stones, boulders, etc than can damage the pipe.
a. 0.4 b. .0.2 c. 0.3 d. None of the Above

100. Size of water piping shall be based on the total_____
a. Water Consumption b. Water Demand c. Water Potability d. None of the Above

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PLUMBING CODE QUESTION BANK 4

NAME PAYNAGANAN

PIPE COLOR CODING

A. For Potable Water Supply System 217

1. Polyvinyl Chloride Tube(PVCT) - blue
2. Polybutylene(Pbt) - black
3. Polyethylene(Pet) - black
4. Polypropylene(PPT) – white with blue bland
5. Polythene Tube - white with blue band
6. Composite Aluminum – Blue

B. For Sanitary Drainage System

7. Polyvinyl Chloride Tube(PVCT) - brown/orange orange or Gray
8. Recyled Scrap Plastic - Black

C. Copper Tubing(At least 6.4mm color stripe)

9. Type K - green
10. Type L - blue
11. Type M – red
12. Type DWV – yellow

PIPE MATERIALS

13. .Materials. Quality: All materials used in any plumbing or drainage system, or part thereof shall he free from _____.
a. Testing b.defects c. a & b d,. None of the Above

14. All pipes, pipe fittings, traps, fixtures, materials and devices used in a plumbing system shall be as _____ in accordance with Table 14-4 of this Code.
a. Listed b. Labelled c. Listed or Labelled d. None of the above

15. . Label, Cast or Stamped of al pipe, fittings, trap, fixture and device used in plumbing or drainage system shall be done in.
a. Construction Site b. factory of the manufacturer c. a & b d. None of the Above

16. Copper tubes for underground and above ground drainage and vent pipings shall have a weight of not ____than that of copper drainage tube, Type Drainage Waste & Vent (DWV) specification.
a.more b. less c. equal d. None of the Above

17. Copper tube shall not be used for piping carrying chemical or industrial .
a. False b. True c. Maybe d. None of the Above

18. Type of Copper Pipe that can be use in water piping when installed above the ground or atop the building or underground outside the structures with outside protective coating.
a. Type K b. Type M c. Type L d. Type DWV

19. Width of Color Code marking for copper tubing
a. 6.3 mm b. 6.4 mm c. 6.5 mm d. 6.0 mm

PLUMBING CODE QUESTION BANK 4

20. *Listed flexible copper water connectors shall be installed in _____ locations, unless otherwise listed.*
a. Confined b. indoor c. outdoor d, Exposed

21. Mark color for Type DWV Copper tubing.
a. red b. blue c. yellow d. None of the above

22. Lead use for For flashings or vent terminals- not less than _____ kg. per sq. meter and 1.2 mm thick.
a. 14.50 b. 14.63 c. 14.53 d. None of the above

23. Caulking Ferrule materials shall be of the best quality
a. red cast brass b. bronze c. copper d. All of the Above

24. From Table 14-1page 145 of RPCP what is the minimum weight caulking ferrule for 2" pipe?
a. 0.452 kg b. 0.454 kg c. 0.544 kgs d. None of the Above

25. 15. From Table 14-2page 145 of RPCP what is the minimum weight of bushing 4" dia?
a. 2.56 kg b. 1.456 kg c. 1.586 kgs d. None of the Above

26. Materials for Soldering nipples.
a. Bronze b. Copper c. heavy cast red brass d. All of the above

27. Diameter for Closet rings or Closet Flanged for Water Closet as per Section 1406.1 of RPCP.
a. 175 mm b. 178 mm c. 176 mm d. None of the above

28. Caulked-on closet rings or closet flanges shall not be less than 6.4 mm thick and not less than _____mm in overall depth.
a. 75 b. 51 c. 100 d. None of the Above

29. *Number of bolts per water close closet flanged.*
a. 3 b. 4 b c. 5 d.2

30. Drainage Fittings: shall be screw jointed of the drainage type having smooth interior r waterway and be installed so as to ____ mm/m grade.
a. 21.9 b 20.9 c. 19.9 d. None of the Above

31. What type of Cast Iron Pipe generally used for building installation?
a. XV b.SV c. TV d. None of the Above

32. What type of Cast Iron Pipe generally used for underground installation and considered extra duty pipe?
a. XV b.SV c. TV d. None of the Above

33. *Which of the following not part Cast Iron varieties?*
a.Standard Pipe b. Single Hub Pipe c. Double Hub Pipe d. Hubless Pipe e. None

34. Limit of the used of Cast iron Pipe.
a.10 storeys b. 15 storey c. 25 storeys d. 30 storeys

35. Acid resistance Cast Iron is made of what metal?
a.tin b. silicon c. cast iron d. b & c

PLUMBING CODE QUESTION BANK 4

36. Composition of Asbestos Pipe.
a.Solvent cement b. Cement c.Asbestos Fiber d. B & C

37. Where can asbestos pipe can be used?
a.Water line b. Drainage line c. Ventilation d. downspout e. all of the above

38. In what type of structure Asbestor Pipe best suited?
a.Steel b. Wooden c. Concrete d. Composite

39. The cheapest among sewer type pipes?
a.Cast Iron Pipe b. Vitrified Clay Pipe c. Screwed Pipe d. Bituminous Fiber Sewer Pipe

40. Material used in Galvanized Steel pipe.
a. Medium Steel b. Hard Steel c. Mild Steel d. Hard Steel

41. Galvanized Steel pipe deteriorate faster when used as_____supply line.
a.Cold Water b. Hot Water c. a & b. d. None of the Above

42. Galvanized Steel pipe easily corroded by_____and acid water.
a.carbon b. iron c. alkaline d. None of the Above

43. Galvanized Wrought Iron is more resistant to ____waste than the steel pipe.
a.Chemical b. Liquid c. acid d. None of the Above

44. Most expensive type of pipe.
a.PVC b. Galvanized Steel Pipe c. Brass d. Copper

45. Brass is compose of __%zinc and ___%copper.
a.16,86 b. 15,86 b. 15,85 d. None of the Above

46. Which of the following is not a type of Plastic Synthetic Pipe?
a.Rigid b. flexible c. a&b d. None of the above

47. Flexible type of Plastic Pipe include the following
a. Polyethylene b. Polybutylene c. a & b d.None of the Above

48. Which of the following not a Rigid Type of Plastic Pipe?
a. PVC b. uPVC c. PP d. SR e. None of the Above

49. Which of the following plastic pipe being used in hot water line?
a.CPVC b.PVDC c. PP d. All of the above

50. Pressure test on joints and connections of pipes and fittings in the plumbing system shall be required to ensure _____ connections.
a. gastight b. watertight c. gastight and watertight d. None of the Above

51._____ -- *for bell-and-spigot cast iron soil pipe (CISP) and other* similar joints shall be firmly packed with oakum or hemp and filled with molten pig lead to a depth of not less than 25.4 mm.
a. Wiped Joint b. Threaded Joint c. Caulked Joint d. None of the Above

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PLUMBING CODE QUESTION BANK 4

52. *The lead shall be caulked thoroughly at the inside and outside edges of the joint.* After caulking, the finished joint shall not extend more than 3.2 mm below the rim of the _____.
a. bell b. spigot c. hub d. None of the Above

53. No paint, varnish or other coatings shall be permitted on the jointing material until after the joint has been tested and approved. Caulked joints in centrifugally cast iron (CCIP) belt-and-spigot water pipe shall be made with _____ materials.
a. *Toxic b. Non- Toxic c. Non Hazardous d. None of the Above*

54. _____ - for iron pipe size (IPS) pipe and fittings shall be standard taper pipe threads. Threads on plastic pipe shall be factory cut or molded.
a. Wiped Joint b. Threaded Joint c. Caulked Joint d. None of the Above

55. What is the minimum wall thickness for threaded pipe as per Section 1302.2 of RPCP?
a. Schedule 40 b. Schedule 80 c. a & B d. None of the Above

56. _____- Joints in lead pipe or fittings or between lead pipe or fittings and brass or copper pipe, ferulle, solder nipples.
a. Wiped Joint b. Threaded Joint c. Caulked Joint d. None of the Above

57. Wiped lead joints shall have an exposed surface on each side of a joint not less than _____mm and at least as thick as the materials being joined.
a. 20 b. 19 c 15 d 25

58._____·· utilizes flux and solders of joining copper tubing.
a. Wiped Joint b. Threaded Joint c. Caulked Joint d. Solder and Sweat Joints

59.Limits on lead content of using solder and fluxs for potable drinking water pipe joint.
a. 0.001 b.0.003 c. 0.002 d. None of the above

60. What type of joint being use for soft copper water tubing?
a. Cement Mortar b. Burned Lead c. Flared d. Solder and Sweat Joints

61. _____ - Except for repairs and connections to existing lines constructed with such joints, cement mortar joints arc prohibited on new building sewers.
a. Cement Mortar b. Burned Lead c. Flarred d. Solder and Sweat Joints

62._____ - *shall be lapped and the assembly shall be fused together to form a uniform weld at* least as thick as the lead sheets being joined.
a. Cement Mortar b. Burned Lead c. Flarred d. Solder and Sweat Joints

63._____ Joints - shall be a sleeve coupling of the same composition as the pipe or of other approved materials, and sealed with neoprene rubber rings or joined by an approved type compression coupling.
a. Solvent Cement Plastic Pipe b. Flexible Compression Factory-Fabricate
c. Asbestos Cement Sewer Pipe d. Joint Packing

64. What type of pipe join now prohibited due to leak sealing additives?
a. Solvent Cement Plastic Pipe b. Flexible Compression Factory-Fabricate
c. Asbestos Cement Sewer Pipe d. Packing Additives

PLUMBING CODE QUESTION BANK 4

65. *Flexible Compression Factory- Fabricated Joints - When pipe is joined* by means of flexible compression joints, such joints shall conform to approved standards and shall not be considered as _____ joints.
a. Mechanical b . Solvent Cement Plastic Pipe c. Slip d. None of the Above

66. Solvent Cement Plastic Pipe Joints - Plastic pipe and fittings designed to be joined by solvent cementing shall comply with appropriate _____ Installation Standards.
a. PNS b. DTI c. IAPMO d. None of the Above

67._____ joint for centrifugally cast iron water pipe shall conform to nationally recognized standards.
a. Mechanical b . Solvent Cement Plastic Pipe c. Slip d. None of the Above

68._____ *when pipe is joined by means of molded neoprene rubber coupling .ioints, such joints* shall conform to approved standards and shall not be considered as slip joints.
a. Solvent Cement Plastic Pipe b. Flexible Compression Factory-Fabricate
c. Asbestos Cement Sewer Pipe d. Molded Rubber Coupling Joint

69. _____- A mechanical connection which depends on an internal retention device to prevent pipe or tubing separation. Connection is made by inserting the pipe or tubing inside the fitting to a prescribed depth.
a. Mechanical b . Solvent Cement Plastic Pipe
c. *Pressure-Lock Type Connection* d. *None of the above*

70.The minimum thickness of galvanized shee t metal for downspout is guage____. according to Section 1102.1 , page 117 of RPCP.
a. 12 b. 26 c. 24 d. None of the Above

71. Are we allowed to use Rainwater piping as DWV pipe at the time?.
a. No b. Yes c. Maybe d. None of the Above

72. The following materials can be used as roof drain except.
a. cast iron b. copper c. other corrosion resistant materials d. All of the Above

73.Strainers for roof drain must be ____mm above the surface of the roof immediately adjacent to the drain as stated on Section 1103.1.1.1
a. 100 b. 150 c.102 d. None of the above

74. *What is the proportioning of area required for Dome-type Strainers to the area of outlet pipe to which* the drain is connected.
a. half b. double c. 1 1/2 d. 2

75. For one (1) wall - add _____ percent of area of the wall to the roof area,
a. no additional b. 50 c.35 d. None of the Above

76. For two (2) adjacent walls - add _____ percent of the total wall areas to the roof area
a. no additional b. 50 c.35 d. None of the Above

77.Two {2) walls opposite each other and of same heights – add _____ area to the roof area.
a. no additional b. 50 c.35 d. None of the Above

PLUMBING CODE QUESTION BANK 4

78.Two (2) walls opposite of differing heights- add _____percent of wall area above top of lower wall to the roof area.
a. no additional b. 50 c.35 d. None of the Above

79.Walls on three (3) sides - add _____percent of area of the inner wall below t.he top of the lowest wall, plus allowance for area of wall above top of the lowest wall per Sections 1104.2.2 and 1104.2.4
a. no additional b. 50 c.35 d. None of the Above

80.Walls of four (4) sides- no _____ for wall areas below top of lowest wall - add for areas above top lowest wall per 1104.2.1, 1104.2.2, 1104 2.4 and 1104.2.5
a. allowance b. 50 c.35 d. None of the Above

81. The area of the side of a tall building exposed to rain is taken as ___ of the gross area.
a. no additional b.1/2 c.35 d. None of the Above

82. Average Rain Intensity for Metro Manila, page 120 of RPCP
a. 76 mm/hr b. 102 mm/hr c. 127 mm/hr d.152.4 mm/hr

83. How many sets of Plumbing Plans to be submitted for Plumbing Permit Application?
a.10 sets b. 5 sets c. 6 sets d. 8 sets

84. Expiration of Plumbing Permit if plumbing work did not commence from the date of issuance of plumbing permit as per Revised Plumbing Code.
a. 4 months b. 5 months c. One Year d,. 6 months

85. Expiration of Plumbing Permit if plumbing work is suspended or abandon after the issuance of plumbing permit as per Revised Plumbing Code.
a. 4 months b. 5 months c. One Year d,. 6 months

86. How many sets of Plumbing Plans will be retained by Administrative Authority and returned to the owner?
a. 1,2 b, 1,1 c. 2,1 d. 1,3

87.How much fee will be paid in case of renewal of an expired Plumbing Permit ?
a.100% Original Fee b. 50% Original Fee c. 70% Original Fee d. 40% Original Fee

88. What particular section in Chapter 1 of .RPCP which mention that the practice of Registered Master Plumber is limitless in pursuant to RA 1378
a.Section 102.1 b. Section 102.3 c. Section 102.2 d. None of the above

89. Section 33 of Sanitary Engineering Law State that " Act not affecting other provisions and/or trades. — This Act shall not be construed to affect or prevent the practice of any other legally recognized profession, and/or trade nor shall it be construed to diminish the fields of practice already embraced by civil engineers duly registered under the _____, Republic Act Numbered Five hundred and forty-four, or of those by duly licensed _____ under existing law"

a.Civil Engineering Law, Master Plumber c. Mechanical Engineering Law, Civil Engineers
b.Architectural Law, Master Plumber d. Civil Engineering Law, Mechanical Engineer

PLUMBING CODE QUESTION BANK 4

90. *The portion of the drainage system which ventilates two or more fixture traps that discharge into a* soil or waste branch.
a. Loop vent b. Unit vent c. Main Vent d. Back Vent

91. The portion of the vent pipe system which ventilates two fixture of similar design installed on opposite sides of a partition
a. Loop vent b. Unit vent c. Main Vent d. Back Vent

92. The principal portion of the vent pipe system to which vent branches may be connected. It serves as a collecting vent line.
a. Loop vent b. Unit vent c. Main Vent d. Back Vent

93.. The portion of the vent pipe system which serves a single fixture.
a. Loop vent b. Unit vent c. Main Vent d. Individual Vent

94. Yoke vents are installed on every ____story counting from the top down and are connected to the soil or waste stack below the last connected fixture on that floor.
a. third b. fourth c. Fifth d. Tenth

95.*The portion of the vent pipe installation that permits additional circulation of air* around the drainage pipes to eliminate back pressure and retardation of waste flow.
a. Relief vent b. Unit vent c. Main Vent d. Individual Vent

96. _____ -· that portion of a vent pipe through where wastewater also flows through.
a. Dry Vent b. Wet Vent c. Branch Vent d. Yoke Vent

97. VERTICAL PIPE - any pipe or fitting installed in a vertical position or which forms an angle of not more than _____ degrees with the vertical line.
a. 22 ½ b. 30 c. 45 d. 60

98. UNCONFINED SPACE- a room space having a volume equal to at least ____ c.u . m. of the aggregate input rating of the fuel-burning appliance installed in that space
a. 1.0 b. 1.2 c. 1.4 d. 1.6

99._____- an approved tank or pit which receives sewage or wastewater and is located below the normal grade of the gravity system and must be emptied by mechanical means.
a. Cistern b. Fire tank c. sump d. None of the Above

100. _____ - the installation of all pipings and fitting parts of the plumbing system, which can be completed prior to the installation of fixtures and accessories.
a. Sleeve b.Stub out c. Roughing In d. None of the Above.

"Intellect is not found in the answer, but in the question. Those who can question things themselves are those who will be able to find answers"

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