

MASTER PLUMBER COACH
 plumbing exam made easy
<https://marcusaustria.com/plumbing>

MASTER PLUMBING REFRESHER PART 2

Sunday, June 13, 2021

07:00 p.m. - 10:00 p.m.

PLUMBING CODESET Y

INSTRUCTION: Select the correct answer for each of the following questions. Mark only one answer for each item by shading the box corresponding to the letter of your choice on the answer sheet provided. STRICTLY NO ERASURES ALLOWED.

MULTIPLE CHOICE

1. A type of pipe connection in which a ball-shaped end is held in a cuplike shell and allows movements in every direction.
 - a. Ball joint
 - b. Ball cock
 - c. Corp stop
 - d. Curb stop

2. Riser diagrams are elevations or perspective views showing stack and risers. They generally are shown only for _____ jobs.
 - a. Noncomplicated
 - b. Complicated
 - c. Simple
 - d. Easy

3. Who is authorized to issue rules and regulations to carry into effect the objectives of RA 1378?
 - a. Commissioner of Civil Service
 - b. PRC Commissioner
 - c. President of the Philippines
 - d. BOMP

4. Where food is consumed indoors, water stations may be substituted for drinking fountains. Offices, or public buildings for use by more than six persons shall have one drinking fountain for the first 75 persons and one additional fountain _____.
 - a. for each 100 persons thereafter
 - b. for each 120 persons thereafter
 - c. for each 150 persons thereafter
 - d. for each 200 persons thereafter

5. Partitions or baffles between compartments shall be of solid durable material and shall extend at least _____ above the liquid level.
 - a. 101.6 mm
 - b. 102.6 mm
 - c. 104.6 mm
 - d. 106.6 mm

6. It is a drain pipe extending laterally from a soil or waste stack or building drain with or without vertical sections or branches, which receives the discharge from one or more fixture drains and conducts it to the soil or waste stack or to the building drain.

PLUMBING CODE

SET Y

- a. Lateral
 - b. Building drain
 - c. Horizontal branch
 - d. Soil branch
7. What is the minimum pressure for flush tank?
- a. 15 psi
 - b. 8.0 psi
 - c. 4.33 psi
 - d. 0.433 psi
8. One fixture unit is equivalent to _____.
- a. 7.48 liters
 - b. 28.3 liters
 - c. 1 liter
 - d. 264 liters
9. A term used which is contrary to sanitary principle or injurious to health.
- a. Insanitary
 - b. Unhealthy
 - c. Healthful
 - d. Sanitary
10. A horizontal waste and vent pipe which is sized to provide free circulation of air above the flow line of the drain pipe.
- a. Combination waste and vent system
 - b. Continuous wet vent system
 - c. Nonsolvent waste and vent system
 - d. Ventilating piping system
11. The minimum height above the trap for a domestic clothes washer standpipe receptor is _____ inches.
- a. 16
 - b. 18
 - c. 20
 - d. 22
12. Section 6 of RA 1378 states that each member of the Board shall, at the time of his appointment:
- a. be a citizen and resident of the Philippines
 - b. be at least thirty years of age and of good moral character
 - c. has been actively engaged in the trade of master plumber for at least five years.
 - d. All of the above
13. It is defined as a business which sells food to be consumed on the premises.
- a. Restaurant
 - b. Kitchen
 - c. Bar
 - d. Hotel
14. An inverted fitting equivalent in size to the tank inlet, but in no case less than _____ in size, shall be installed in the inlet compartment side of the baffle with the bottom of the fitting placed midway in the depth of the liquid.
- a. 101.6 mm
 - b. 102.6 mm

- c. 104.6 mm
d. 106.6 mm
15. Any branch in a building drain other than the primary branch.
a. Horizontal branch
b. Lateral branch
c. Secondary branch
d. Branch interval
16. What do you call to this device that is used to measure the amount of water that passes through the water service?
a. multimeter
b. water tank
c. water counter
d. water meter
17. What is the minimum size of the drain pipe for the water closet to discharge into?
a. 2 inches
b. 3 inches
c. 4 inches
d. 2-1/2 inches
18. The maximum fixture unit loading allowed on 2-inch waste stack is:
a. Four
b. Six
c. Sixteen
d. Eight
19. The use of jute, hemp, or oakum is not permitted for caulking or for joining water distribution piping connections.
a. True
b. False
c. Maybe, false
d. Sometimes true
20. Friction loss in a pipe accounts for slowing the rate of flow and can do the following to the amount of water delivered by a pump.
a. Decrease
b. Increase
c. Keep the rate the same
d. None of these
21. The hot-water heating systems transmit only sensible heat to radiators, as distinguished from steam systems, which heat principally by the latent heat of _____.
a. Nature
b. The sun
c. Condensation
d. Evaporation
22. For Manila and Environs, what is the rainfall intensity that is being used (mm/hr)?
a. 102
b. 450
c. 150
d. 175
23. A vertical vent that is continuation of the drain to which it connects.
a. branch vent
b. relief vent
c. continuous vent
d. circuit vent
24. A piping system designed to control and convey excess ground water to a suitable location.
a. storm water drainage piping
b. sewer piping
c. vertical stack
d. downspout

25. The indirect waste lines carrying refrigeration waste shall not be smaller than one (1) inlet serving not more than 2.8 m³ of refrigeration space.
- a. 32 mm
 - b. 51 mm
 - c. 76 mm
 - d. 62 mm
26. Approval of House Bill No. 962 also known as RA No. 1378.
- a. 1978
 - b. 1852
 - c. 1954
 - d. 1935
27. What is a storm water?
- a. waste water
 - b. sea water
 - c. rain water
 - d. potable water
28. The movement of water to the surface of a soil and into the soil below the surface.
- a. Storm meter run off
 - b. Depression
 - c. Evaporation
 - d. Infiltration
29. The NPCP defines "dead-end" as
- a. a water main that makes a 90-degree turn and is capped
 - b. a gas line that continues form horizontal to vertical for future use
 - c. the extended portion of a pipe that is closed at one end to which no connections are made on the extended portion, thus permitting the stagnation of liquid or air therein
 - d. a utility alley used for piping installation that comes to an end
30. The trap for a clothes washer must be roughed-in less than _____ inches above the floor.
- a. 4
 - b. 6
 - c. 8
 - d. 10
31. Under Section 9 of RA 1378 who shall be the executive officer of the Board, and shall conduct the examinations given by the board and shall designate any subordinate officer of the Bureau of Civil Service to act as secretary of the Board?
- a. Commissioner of Civil Service
 - b. PRC Commissioner
 - c. President of the Philippines
 - d. BOMP
32. What is CS and PS means?
- a. Commercial Specification and Product Specification
 - b. Commercial Standards and Product Standards
 - c. Commercial Systems and Product Systems
 - d. Commercial Sizes and Product Sizes
33. Building sewer shall be tested by completely filling the sewer with water from the _____.
- a. lowest to at least 10 ft head

- b. lowest to the highest point
c. lowest to at least ground level
d. lowest to at least 5 ft head
34. The number of occupants for a drive-in restaurant shall be considered as _____ to the number of parking stalls.
a. equal
b. 2 times as
c. 3 times as
d. 4 times as
35. Each such tank shall be structurally designed to withstand all anticipated earth or other loads. All septic tank covers shall be capable of supporting an earth load of _____ when the maximum coverage does not exceed 9 m.
a. not less than 14.4 kPa
b. not less than 144 kPa
c. not less than 11.4 kPa
d. not less than 114 kPa
36. It is a cast iron soil pipe with plain ends connected together with bolted stainless-steel bands and neoprene gaskets.
a. IPS
b. double hub
c. single hub
d. hubless
37. This is a valve used for controlling two or more outlets in a cold water supply line.
a. heavy duty gate valve
b. full way gate valve
c. foot valve
d. globe valve
38. According to NPCP, at least _____ of the vertical stacks in the plumbing system must be extended full size through the roof.
a. 4
b. 3
c. 2
d. 1
39. What valve is required a head of each water supplied appliance, each slip joints or nonmetallic connection?
a. Flow valve
b. Check valve
c. Control valve
d. Butterfly valve
40. A vertical vent that is a continuation of the drain to which it is connected.
a. Common vent
b. Loop vent
c. Relief vent
d. Continuous vent
41. No direct waste receptor can be installed in any _____.
a. bedroom
b. storeroom
c. dining room
d. family room
42. Every building having plumbing fixtures installed and intended for human habitation, occupancy or use on premises abutting on a street, alley or easement where there is a public sewer, shall be connected to the sewer system.
a. Principle No. 4
b. Principle No. 5
c. Principle No. 6
d. Principle No. 7

43. _____ shall be connected to the hot and cold water distribution supplies so that the hot water supply is located at left side of the combination fittings.
- a. Faucets and diverters
 - b. Vacuum breaker
 - c. AAV
 - d. HWT
44. The minimum wall thickness of any steel septic tank shall be _____.
- a. No. 12 U.S. gauge
 - b. No. 14 U.S. gauge
 - c. No. 16 U.S. gauge
 - d. No. 24 U.S. gauge
45. That part of the horizontal piping of sanitary drainage system which measures 0.6 meter downstream from the last mobile home site and conveys sewage to a public sewer, private sewer, individual sewage disposal system or other points of disposal.
- a. building sewer
 - b. mobile home park sewer
 - c. disposal field
 - d. leaching field
46. What is the material not listed in the code for use in water piping?
- a. plastic
 - b. cast iron
 - c. aluminum
 - d. asbestos cement
47. What is the size of waste pipe for urinal?
- a. 32 mm
 - b. 38 mm
 - c. 40 mm
 - d. 50 mm
48. When pipe makes an angle of not more than 45 degrees with the vertical, it is considered as a _____.
- a. vertical pipe
 - b. diagonal pipe
 - c. crooked pipe
 - d. horizontal pipe
49. A vent pipe which receives waste from a shower.
- a. a wet vent
 - b. a common vent
 - c. a circuit vent
 - d. an island vent
50. To properly connect a steam pipe to a plumbing drainage system,
- a. The pipe must not be less than 10 feet in length
 - b. The diameter of the pipe must be a minimum of 1 ¼ inches
 - c. A direct connection must be made to a waste stack only
 - d. An indirect connection must be made
51. Plumbing fixtures, devices, and appurtenances shall be supplied with water in sufficient volume and at pressures adequate to enable them to function properly and without undue noise under normal conditions of use.
- a. Principle No. 2
 - b. Principle No. 3
 - c. Principle No. 4
 - d. Principle No. 5
52. Consists of a body, a checking member and an atmospheric opening.
- a. DC
 - b. PVB
 - c. RP
 - d. AVB

53. Before placing filter, material or drain lines in a prepared excavation, all smeared or compacted surfaces shall be removed from trenches by raking to a depth of _____ and the loose material removed.
- a. 19.2 mm
 - b. 25.4 mm
 - c. 38.1mm
 - d. 50.8 mm
54. A condition contrary to sanitary principles or injurious to health.
- a. Unsanitary
 - b. Insanitary
 - c. Cross connection
 - d. prohibited
55. It is the lowest piping system that receives the discharge from soil, waste and other drainage pipes.
- a. building sewer
 - b. building drain
 - c. soil pipe
 - d. asbestos pipe
56. What is the size of waste pipe for bathtub?
- a. 32-38 mm
 - b. 38-42 mm
 - c. 38-51 mm
 - d. 42-51 mm
57. DWV material means
- a. Drainage, water vents
 - b. Drainage water valve
 - c. Drainage waste and vent
 - d. none of these
58. The primary purpose of a yoke vent is
- a. to connect a waste stack to a vent stack
 - b. to connect a vent stack to a soil stack
 - c. to connect a loop vent to a stack vent
 - d. to prevent pressure changes in stacks
59. The receptors receiving the discharge of indirect waste pipes must be of a shape and capacity that will _____.
- a. prevent splashing
 - b. serve the intended use
 - c. avoid collecting solids
 - d. intercept ingredients harmful to the building drainage system
60. A large opening in a sewer line or part of a plumbing system constructed with sufficient size for a man to gain access therein for maintenance purposes and facility for changes of line and/or grade of pipeline.
- a. Catch basin
 - b. Manhole
 - c. Access
 - d. Effective opening
61. The purpose for which a building is used or intended to be used.
- a. Single family dwelling
 - b. Occupancy
 - c. Recreation
 - d. Structure
62. A set of regulation adapted by an administrative agency that has jurisdiction over material and design specification in plumbing.
- a. Building Code
 - b. Civil Code
 - c. Code of Ethics
 - d. Plumbing Code

63. It is inserted into the water main and it serves as the control of the water service.
- a. curb stop
 - b. corporation stop
 - c. water stop
 - d. meter stop
64. What is the size of waste pipe for drinking fountain?
- a. 32 mm
 - b. 38 mm
 - c. 40 mm
 - d. 50 mm
65. A joint made by firmly packing with oakum and filled with molten lead to a depth of not less than one inch.
- a. steel pipe
 - b. cast iron no hub pipe
 - c. plastic pipe
 - d. cast iron bell and spigot soil pipe
66. Every passageway to an attic water heater shall have a solid continuous flooring not less than _____.
- a. 36 inches wide
 - b. 48 inches wide
 - c. 60 inches wide
 - d. 24 inches wide
67. Every building in which plumbing fixtures are installed shall have connection to a _____.
- a. drywall
 - b. cesspool
 - c. storm sewer
 - d. public or private sewer
68. Water that is safe for drinking purpose.
- a. soft water
 - b. potable water
 - c. hard water
 - d. clear water
69. Which of the following shall not be used in a drainage system?
- a. A 3-inch short sweep
 - b. A fitting having 60-degree branches
 - c. A double sanitary tee
 - d. A straight tee branch
70. Assume you are installing a waste pipe for a culinary sink. The pipe is a 1 ½-inch copper pipe. The code requires that the sink be protected from backflow. In order to pass inspection, you must provide _____.
- a. A check valve
 - b. An air gap
 - c. A backwater valve
 - d. A vacuum breaker
71. The drain pipe from a refrigerator must drain into an _____.
- a. Approved dry well
 - b. Catch basin
 - c. Open floor sink
 - d. Service sink
72. If water closets or other plumbing fixtures are installed in buildings where there is no sewer within a reasonable distance, suitable provision shall be made for disposing of the building sewage by some accepted method of sewage treatment and disposal, such as a septic tank.
- a. Principle No. 7
 - b. Principle No. 14

- c. Principle No. 17
- d. Principle No. 22
73. Plumbing shall be installed by Registered Master Plumbers with due regard to the preservation of the strength of structural members and the prevention of damage to walls and other surfaces through fixture usage.
- a. Principle No. 12
- b. Principle No. 15
- c. Principle No. 19
- d. Principle No. 21
74. Consists of two independently acting internally or externally loaded check valves, four properly located test cocks with connectors and two isolation gate valves.
- a. DC
- b. PVB
- c. RP
- d. AVB
75. Consists of a loaded air inlet valve, an internally loaded check valve, two properly located test cocks and two isolation gate valves.
- a. DC
- b. PVB
- c. RP
- d. AVB
76. Clean stone, gravel, slag, or similar filter material acceptable to the Administrative Authority, varying in size from _____ shall be placed in the trench to the depth and grade required by this section.
- a. 38 mm to 102 mm
- b. 32 mm to 76 mm
- c. 12.5 mm to 51 mm
- d. 19.1 mm to 64 mm
77. When seepage pits are used in combination with disposal fields, the filter material in the trenches shall terminate at least _____ from the pit excavation and the line extending from such points to the seepage pit shall be approved pipe with watertight joints.
- a. 1.2 m
- b. 1.5m
- c. 2.0 m
- d. 3.0 m
78. A combination of elbows or bends that brings one section of the pipe out of line but into a line parallel with the other section.
- a. Offset
- b. Set
- c. Both a & b
- d. Neither
79. The size of supply piping outlet for any gas appliance shall be not less than _____.
- a. The smallest size pipe in the system
- b. The inlet connection of the appliance
- c. $\frac{3}{4}$ inch of total length is 30 ft
- d. One inch to allow future expansion
80. A trap is a fitting or a device designed to:
- a. Serve as a passage for waste water
- b. Retain a liquid seal
- c. Prevent sewer gases from entering the building

- d. Retain and prevent certain harmful substances from entering the building drainage system.
81. The trap seal is being measured from the _____.
a. Crown weir to the top of the dip of a trap
b. Crown weir to the bottom of the dip of a trap
c. Fixture tailpiece to the crown weir of a trap
d. Fixture tailpiece to the top of the dip of a trap
82. What is the minimum excavated diameter of a seepage pit?
a. 1.5 m
b. 2.5 m
c. 3.0 m
d. 2.2 m
83. What is the minimum required distance of septic tank from water supply well?
a. 3.0 m
b. 15.2 m
c. 30.5 m
d. 45.7 m
84. All premises intended for human habitation, occupancy, or use shall be provided with a supply of potable water. Such a water supply shall not be connected with unsafe water sources, nor shall it be subject to the hazards of backflow.
a. Principle No. 1
b. Principle No. 3
c. Principle No. 10
d. Principle No. 22
85. The Administrative Authority _____ for the construction of a part of a large and/or complicated plumbing system before the entire plans and specifications for the whole system have been submitted or approved, provided adequate information and detailed statements have been filed, complying with all pertinent requirements of this Code.
a. may issue a Partial Permit
b. may issue a Final Permit
c. may issue a Temporary Permit
d. may not issue Permit
86. How many set/s of approved plans, specifications, computations and related data shall be kept at the jobsite at all times while the work is in progress?
a. 1
b. 2
c. 4
d. 6
87. Inlets to Tanks, Vats, Sumps, Swimming Pools and other receptors when protected by a listed atmospheric vacuum breaker shall have such atmospheric vacuum breaker installed in
a. the inlet side of the last valve with the critical level of not less than 205 mm
b. the discharge side of the last valve with the critical level of not less than 305 mm
c. the discharge side of the first valve with the critical level of not less than 152 mm

- d. the discharge side of the last valve with the critical level of not less than 152 mm
88. According to Subsection 1206.1 of the NPCP, any such piping _____ mm diameter and larger may have a slope of not less than 0.5%.
- a. 100
 - b. 150
 - c. 50
 - d. 200
89. A vertical vent that is continuation of drain to which it is connected.
- a. branch vent
 - b. continuous vent
 - c. relief vent
 - d. circuit vent
90. Roof joint shall be _____.
- a. gas and water tight
 - b. air tight
 - c. smoke tight
 - d. water tight
91. The individual who worked in the sanitary field of ancient Rome.
- a. Plumbum
 - b. Plumber
 - c. Plumbarius
 - d. Plum
92. It is the drain from two fixtures connected to a single trap.
- a. Circuit vent
 - b. Branch vent
 - c. Common vent
 - d. Continuous vent
93. Marking on a backflow prevention device or vacuum breaker is a point conforming to approved standards and established by the testing laboratory (usually stamped on the device by the manufacturer) which determines the minimum elevation above the flood level rim of the fixture or receptacle served where the device may be installed.
- a. Critical level
 - b. Flood level
 - c. Torpedo level
 - d. Flooded
94. A device which conditions or treats water supply to improve water quality, remove suspended solids by filtration.
- a. Water treatment
 - b. STP
 - c. Sedimentation
 - d. Percolation
95. An approved elastomeric sealing gasket with an approved outer shield and a tightening mechanism.
- a. Neoprene gasket
 - b. Shielded pair
 - c. Shielded coupling
 - d. Nipple
96. It is a pump used on a smaller distribution system for elevating water in wells or other sources.
- a. piston pump
 - b. centrifugal pump
 - c. water pump
 - d. pumping station
97. What is the minimum quantity of water for flush urinal?
- a. 4 gallons
 - b. 3 gallons
 - c. 2 gallons
 - d. 1 gallon

PLUMBING CODE

SET Y

98. What do you call to this electrically or mechanically operated device used to elevate sewage and liquid waste from a lower level to a point of discharge into a sewer or other disposal system?
- a. ejector
 - b. ram
 - c. compressor
 - d. hand pump
99. The force required to move water inside the pipe.
- a. force
 - b. friction
 - c. velocity
 - d. pressure
100. No galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least _____ mm above the ground.
- a. 125
 - b. 152
 - c. 364
 - d. 176

END

MASTER PLUMBER COACH

plumbing exam made easy

<https://marcusaustria.com/plumbing>

NAME: _____

Thank you for your contribution. Please check the number of the same for all the sheets. If there is any discrepancy, please report it to the nearest representative. (This is NOT your Candidate Number)

NOTE
BEFORE DETACHING AN ANSWER SHEET, CHECK IF THE SET IS YOURS.



MASTER PLUMBER

EXAMINATION ANSWER SHEET

INSTRUCTIONS TO EXAMINEE

A. SUBJECT BOX

1. Write only the SUBJECT TITLE you are taking on this space provided. Refer to your program of examination. No other words should be written on this box.

WARNING: DO NOT WRITE YOUR NAME, SEAT NUMBER OR ANY OTHER INFORMATION ON THIS BOX, OR YOURS. YOUR SCORE WILL BE CANCELLED AND YOU WILL BE SUSPENDED FROM TAKING FUTURE EXAMINATIONS.

2. DO NOT USE CORRECTION FLUID or scotch or any kind of correction on the subject title. Put a horizontal line on the wrong subject and write above it the correct title.

B. LETTER CHOICE BOX

1. Use pencil no. 2 in marking your answers. Fully shade the boxes in this choice box A, or B on the left side to indicate the set or test questions assigned to you.

2. Shade size (1) box for every number. **WARNING: TWO OR MORE BOXES SHADDED OR MARKED whether by pencil, mark maker, eraser or any other means, will be considered marked boxes. Your examination will be CANCELLED and you will be SUSPENDED FROM TAKING FUTURE EXAMINATIONS.**

3. **AVOID ERASURES.** ANSWERS WITH ERASURES WHICH LEAVE A MARK WILL BE INVALIDATED.

(If you are not yet sure of your answer, shade the number down, then go back to that number before the end of the examination.)

4. **DO NOT FOLD OR MUTILATE.** KEEP THIS ANSWER SHEET CLEAN.

8510000000

PLUMBING CODE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T

41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T

61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T

81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T