Journeyman Renewal Exam 2012 UPC & IPC Plumber & Gas Fitter
When using this you will need to click on a Hyperlink that takes you to the UPC, IFGC, or one of the City of Phoenix amendments. After the link opens you may need to click on the internet icon to bring it onto your screen. You will then search the code book to find the code section. After reading the code section decide which answer is best then move on to the next question. Several questions are from the same code book so you may want to leave them open until you have completed the test.
1. **The premise owner with a newly installed backflow preventer shall:**

A. Notify the authority having jurisdiction
B. Leave the installation instructions with the assembly
C. Test the assembly
D. Identify the assembly with a post and sign
see code section
2. True or False. The equipment, material, and labor necessary for inspections or tests shall be provided by the authority having jurisdiction.
Answer UPC Section 103.5.7.2

- see code section
3. True or False. Each length of pipe and each pipe fitting, trap, fixture, material, and device used in a plumbing system shall be marked with the manufacturer's name.
Answer UPC Section 301.1.1

see code section
4. Vacuum breakers for washer–hose bedpans shall be located not less than __ above the floor.

- a. 3’
- b. 5’
- c. 8’
- d. 6’
Answer UPC Section 603.5.16

- see code section
5. Exhaust ducts for clothes dryers shall terminate outside the building and shall be equipped with a ______.

a. Vent Connector
b. Fire Damper
c. Screen
d. Back Draft Damper
Answer IFGC 614.4

- See IFGC Section
6. True or False Appliance shut-off valves located at a manifold are required to be readily accessible.
Answer IFGC 409.53

- See IFGC Section
7. Grey water is untreated waste water from:

a. Urinals
b. Water Closets
c. Kitchen Sinks
d. Laundry Trays (tubs)
Answer UPC Section 209

- see code section
8. All plumbing products and materials shall be:

a. Fire Rated
b. Lead Free
c. NSF 61 Listed
d. Listed by a 3rd Party
Answer UPC Section 301.1

- see code section
9. Drinking fountains shall not be installed in:

a. Kitchens
b. Toilet rooms
c. Laundry Rooms
d. Restaurants
Answer UPC Section 415.5

- see code section
10. If a building requires a backwater valve, building fixtures above the upstream manhole shall:

a. Require a sewage ejector
b. Not discharge thru the backwater valve
c. Require a sewage ejector and backwater valve
d. Discharge thru a dedicated backwater valve
Answer UPC Section 710.1

- see code section
11. A gravity grease interceptor shall have a total volume of not less than:

a. 400 Gallons
b. 550 Gallons
c. 525 Gallons
d. 500 Gallons
Answer City of Phoenix
Amendments Table 1014.3.6

UPC Amendments
12. Corrugated Stainless Steel Tubing (CSST) shall be bonded to the electrical service grounding electrode system. The bonding jumper shall be not smaller than ___ copper wire or equivalent.

a. 12 AWG
b. 6 AWG
c. 4 AWG
d. None of the above
see code section
Answer IFGC 310.1.1

- See IFGC Section
13. The approximate number of threads for 2 ½” metallic pipe is:

a. 12
b. 13
c. 14
d. 11
Answer UPC Section Table 1208.5.7.2

see code section
Answer IFGC 403.9.2

- See IFGC Section
14. What pipe size is needed to supply a single appliance that uses natural gas, 5 psi inlet pressure, pressure drop of 3.5 psi, and specific gravity of 0.60? The appliance has a demand of 13,021 cubic feet of gas per hour, and a total length of 202 feet of schedule 40 metallic pipe.

a. 2”
b. 2 ½”
c. 3”
d. 4”
Answer UPC Section Table 1216.2
Table 6

- see code section
Answer IFGC Table 402.4(7)

See IFGC Section
15. Trap seal primer valves that conform to ASSE 1018 or ASSE 1044 are the only devices that are approved by the City of Phoenix for floor drains or similar traps directly connected to the drainage system and subject to infrequent use.

a. Yes
b. No
Answer City of Phoenix
Amendments 1007.2

- UPC Amendments
16. Unless otherwise required by the Authority Having Jurisdiction, roof drains, scuppers, gutters, vertical conductors or leaders, and horizontal storm drains for primary drainage shall be sized based on a rainfall rate of __________inches per hour.

a. 3"
b. 4"
c. 5"
d. 6"
Answer City of Phoenix Amendments 1101.11

UPC Amendments
17. Which of the following materials is not allowed to be used for building supply and water distribution piping and fittings?

a. Ductile Iron  
b. Polybutylene  
c. Polypropylene  
d. 304 / 304L Stainless Steel
Answer UPC Section 604.1

- see code section
18. What percentage of lead is permitted in "lead free solder"?

a. 0.2%

b. 0.02%

c. 2.0%

d. 0%
Answer UPC Section 605.3.4

see code section
19. The enlargement of a 3-inch closet bend or stub to 4-inch shall:

a. Be Prohibited
b. Be Required
c. Be Considered an Obstruction
d. Not considered an Obstruction
Answer UPC Section 310.5

see code section
20. Indirect waste receptors may be installed in:

a. Well – Ventilated areas
b. Toilet Room
c. Closet
d. Storeroom
Answer UPC Section 804.1

see code section