

Example Questions for KSU Mitigation Specialist Course – to give a sense of what exam questions are like – we will do Practice Questions in class

Which one of the following factors influencing houses indoor radon concentrations is the most important determinant of indoor concentrations?

- a) driving forces
- b) house ventilation rate
- c) pathways from the soil to the indoors
- d) radon source strength

In order for a house to have elevated radon concentrations from soil gas, there must be at least:

- a) multiple entry points
- b) an open sump
- c) a crawl space type foundation
- d) a pathway through the foundation connecting the house air to the soil air

Which ASD fan would move the most air in a sub-slab depressurization system in a house built on tight sand?

- a) high vacuum fan
- b) low vacuum fan
- c) two low vacuum fans side by side
- d) any fan would work

Ice or other debris blocking the discharge pipe at the roof would cause the pressure differential reading on the u-tube manometer to:

- a) increase
- b) stay the same
- c) decrease
- d) read level on both sides of the u-tube

National radon mitigation standards require certified contractors upon completion of the mitigation installation to provide the clients with an information package that includes all of the following except:

- a) the signature of the NRPP or state contractor
- b) building permits required by local codes
- c) phone number of the state radon office
- d) description of operating procedures of any installed mechanical or electrical systems

Pressurization of the soil under a basement slab is most effective at reducing radon in the basement if the soil:

- a) the indoor radon concentration is greater than 20 pCi/l
- b) the house has a relatively low ventilation rate
- c) openings to the soil cannot be sealed
- d) the soil is extremely permeable

Discharge points of ASD systems should not be:

- a) located above garage roof
- b) ten feet from the house at grade
- c) two feet above a second floor window
- d) fitted with a rain cap

According to National radon mitigation standards, a certified contractor must make a thorough inspection of the house or radon system:

- a) the house before system installation, and the system after installation
- b) the house HVAC system
- c) the house electrical system
- d) the house structural integrity

One Pascal is equal to how many inches of water column?

- a) 0.004"
- b) 0.025"
- c) 0.250"
- d) 250.0"

In a house with a forced air heating and cooling system, which of the following conditions would most likely increase indoor radon the most?

- a) return ducts under the slab with the air blower off
- b) return ducts under the slab with the air blower on
- c) supply ducts under the slab with the air blower off
- d) supply ducts under the slab with the air blower on