15 INDOOR AIR QUALITY

QUIZ 1 (14 POINTS TOTAL)

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	/False (4 points) Studies consistently rank indoor air pollution among the top five environmental risks to public health. a. true b. false
2.	Fans vented to the outside that intermittently remove air from a single room can act as a driving force for pollutants. a. true b. false
3.	Industrial air quality standards are usually appropriate for buildings too. a. true b. false
4.	Tobacco smoke contains several hundred toxic substances. a. true b. false
Mult	iple Choice (3 points)
	According to research, what amount of time do most people spend indoors? a. 60 percent b. 70 percent c. 80 percent d. 90 percent
6.	What organization's ventilation standards are the basis for most building ventilation codes? a. Environmental Protection Agency b. National Institute for Occupational Safety and Health c. American Society of Heating, Refrigerating, and Air-Conditioning Engineers d. American Society of Safety Engineers
7.	Relative humidity should be maintained below to minimize mold growth. a. 60 percent b. 50 percent c. 40 percent d. 30 percent

Short Answer (6	noints))
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8.	List four factors that have contributed to increased exposures to indoor air pollutants.
9.	What are some value-added benefits to implementing an IAQ management plan?
10.	What are four elements that are common to IAQ problems?
11.	What is integrated pest management (IPM)?
12.	What are four common elements of an effective IAQ management plan?
13.	What does HEPA stand for?

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14. What is a stack effect?

QUIZ 2 (12 POINTS TOTAL)

True/False (4 points)

1.	Minimizing exposure to hazardous materials is not as simple as replacing the lid on a container	of
	cleaning material.	
	a, true	

- b. false
- 2. A few volatile organic compounds have been directly linked to cancer in humans.
 - a. true
 - b. false
- 3. No single field encompasses all the needed principles and skills of an effective IAQ manager.
 - a. true
 - b. false
- 4. The amount of outdoor air considered adequate for proper ventilation has changed very little over time.
 - a. true
 - b. false

Multiple Choice (3 points)

- 5. Which of the following is important to ensure that building mechanical systems operate as designed?
 - a. a large budget
 - b. preventive maintenance
 - c. an inspection certificate
 - d. buying the best systems
- 6. Materials containing formaldehyde are used widely in _____.
 - a. carpeting
 - b. plywood
 - c. glue
 - d. all of the above

7.	Microorganisms and other biological contaminates include a. dander
	b. nematodes
	c. amoeba
	d. all of the above
	rt Answer (4 points)
8.	List four factors that might contribute to complaints from occupants about indoor air quality.
9.	The condition of a building's indoor environment is based on complex interactions of a number of factors. Name three.
10.	List three common pollutant sources.
11.	What are three acceptable strategies for controlling pollutants that contribute to poor IAQ?
	Tt Essay (1 point) What part does humidity play in thermal comfort?