Fundamentals of Building Green Practice Test Part B

Part B – Green Building Practices

HVAC	Water heating
<u> </u>	
Lighting	Plug loads
2. Which of the following best defines building en	velope?
The building's foundation, slab, exterior walls and windows	The building's insulation.
and roof. The building's foundation.	The building's walls and roof.
3. A building that is well insulated will	
Have a higher heating and cooling load	Use more energy
Use less energy	Have a higher heating and cooling load and use more energ
Have a lower heating and cooling load	Have a lower heating and cooling load and use less energy
4. What is the whole-building approach?	
Ensuring that HVAC system turns off if a window is opened	
Ensuring that HVAC system turns off if a window is opened.	The idea that all systems should be viewed independently from one another.
Ensuring that HVAC system turns off if a window is opened. Ensuring that building systems work well together.	
	from one another. The building is efficient even if comfort is sacrificed.
Ensuring that building systems work well together.	from one another. The building is efficient even if comfort is sacrificed.
Ensuring that building systems work well together. 5. What is NOT a method of ensuring the enveloperation.	from one another. The building is efficient even if comfort is sacrificed. e is airtight?
Ensuring that building systems work well together. 5. What is NOT a method of ensuring the enveloped Air sealing with caulk	from one another. The building is efficient even if comfort is sacrificed. e is airtight? Removing all insulation Using a blower door test
Ensuring that building systems work well together. 5. What is NOT a method of ensuring the enveloped Air sealing with caulk Air sealing with tape	from one another. The building is efficient even if comfort is sacrificed. e is airtight? Removing all insulation Using a blower door test
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Ensuring that building systems work well together. 5. What is NOT a method of ensuring the envelope Air sealing with caulk Air sealing with tape 6. A building with a tight envelope does not need True	from one another. The building is efficient even if comfort is sacrificed. e is airtight? Removing all insulation Using a blower door test
Ensuring that building systems work well together. 5. What is NOT a method of ensuring the envelope Air sealing with caulk Air sealing with tape 6. A building with a tight envelope does not need True False	from one another. The building is efficient even if comfort is sacrificed. e is airtight? Removing all insulation Using a blower door test

Low-flow and more efficient toilets	Automatic sensors
Low-flow showerheads	All of the above
9. Which of the following is a method to make lig	ghting more efficient?
Installing sensors to reduce the amount of time lights are o Leaving the lights on when not in use.	on. Switching on all the lights in a room when there is daylight from windows.
	Increasing power allocation to the building's lighting system.
10. Why are volatile organic compounds (VOCs)) dangerous?
They are organic and therefore not dangerous.	They are pollutants.
They are produced as a byproduct from generating clean energy.	They fill up the air quickly.
11. A Construction Indoor Air Quality (CIAQ) Plar	an is:
A plan that reduces indoor air quality problems resulting fro construction activities.	A method of measuring indoor air quality during the construction process.
An approach used to examine air quality throughout the building's life cycle.	A method of measuring indoor air quality once construction is complete.
12. The goal of a Construction Indoor Air Quality	y (CIAQ) Plan is to:
protect the health and well-being of construction workers.	
protect the health and well-being of occupants.	
All of the above.	
	es exposure to unhealthy chemicals, is:
	es exposure to unhealthy chemicals, is:
13. An example of green cleaning, which reduces	es exposure to unhealthy chemicals, is:
13. An example of green cleaning, which reduces using certified low-emitting cleaning products.	es exposure to unhealthy chemicals, is:
An example of green cleaning, which reduces using certified low-emitting cleaning products. cleaning with less frequency.	es exposure to unhealthy chemicals, is:
13. An example of green cleaning, which reduces using certified low-emitting cleaning products. cleaning with less frequency. requiring wet mopping at least once per week.	es exposure to unhealthy chemicals, is:
13. An example of green cleaning, which reduces using certified low-emitting cleaning products. cleaning with less frequency. requiring wet mopping at least once per week. using aerosol cans for cleaning.	es exposure to unhealthy chemicals, is: the energy involved in the extraction of raw materials for a building.

Fundamentals of Building Green Practice Test Part B

Part B – Green Building Practices continued

15. The goal of a Construction Waste Management (CWM) is to:		
reduce construction and demolition waste.		
sort waste into categories.		
recycle construction waste.		
lower cost associated with waste.		
16. Switching to regionally sourced materials reduces carbon emissions for construction because:		
the materials do not need to be transported as far.		
locally produced materials are greener.		
manufacturers use renewable energy for production.		
All of the above.		
17. Integrated project delivery involves:		
Designers, contractors, and trades working together throughout design and construction.	No trades working together throughout the design and construction process.	
One specific trade managing the design and construction	Occupants coordinating with the trades at the end of the design and construction process.	
process.	design and construction process.	
18. Which of the following does commissioning (Cx) accomplish?		
Reduces energy consumption of a building.	Reduces call-backs and change orders.	
Improves occupant comfort and productivity.	All of the above.	
19. What is an economic benefit of high-performance building?		
Lower utility bills for building owners and tenants.		
Less reliance on foreign oil.		
More jobs in clean energy and building retrofits.		
All of the above.		