Demo PDF file. This file includes questions: 10 from 224. Full version of file looks the same as demo, but full version includes all questions. You may download file with all questions by link on bottom of this page

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Core

This section discusses the purpose behind industry regulations and each technician's responsibility to generate a safe and environmentally result.

1. It is best practice to use dry nitrogen to break the vacuum when dehydrating by the triple evacuation method. However, it:

- often contains moisture.
- requires a minimum of 10 psig.
- is toxic when released into the atmosphere
- **requires a pressure regulator**

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2. Approved refrigerant recovery cylinders can be identified by which color code?

- Gray tops and yellow bodies
- Blue tops and green bodies
- **Yellow tops and gray bodies**
- Green tops and gray bodies

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3. What type of synthetic oils are commonly used in new HFC systems and for retrofitting HCFC equipment to HFC refrigerants?

- **Polyolester**
- Glycol
- Alkylbenzene
- Mineral Oil

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4. When using nitrogen in repairing a sealed refrigeration system, what should the nitrogen tank always be equipped with?

- Float sensor
- **Regulator**
- Red top
- Hand valve

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5. Which of the following factors affect the speed of system dehydration?

- The ambient temperature and the entropy of the refrigerant.
- **The ambient temperature and amount of moisture in the system.**
- The latent heat content of the refrigerant.
- The system superheat.

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6. Which of the following repairs would always be considered "major" under EPA's regulations?

- **Replacement of an evaporator coil.**
- Replacement of a filter-drier.
- Replacement of a Schrader valve core.
- Replacement of a condenser fan motor.

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7. When a pungent odor is detected during a sealed system recovery and/or repair which of the following is most likely?

- The refrigerant should not be recovered.
- **A compressor burnout has occurred.**
- It is the characteristic smell of the refrigerant.
- The refrigerant should be vented.

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8. Which of the following best describes low loss fittings on refrigerant recovery devices used to recover CFCs, HCFCs, and HFCs?

- **They can be either manually closed or automatically closed when disconnected to prevent loss of refrigerant from hoses.**
- They are used to connect the recovery device to an appliance and leak only small amounts of refrigerant during use.
- They are used to connect the recovery device to an appliance and must be discarded after each use.
- They eliminate oil loss during recovery.

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9. What is the state of the refrigerant leaving the receiver in a refrigeration system?

- Low pressure liquid
- Low pressure vapor
- **High pressure liquid**
- High pressure vapor

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10. What should be used to remove ice from sight glasses or viewing glasses?

- Refrigerant
- **An alcohol spray**
- Water
- A screwdriver or flat file
