



## EXAM A

### FIRE SAFETY IN AUTO REPAIR SHOPS FOR WORKERS - FIRE HAZARD IDENTIFICATION AND MITIGATION TRAINING

Choose the best answer for each multiple-choice question. There is only one best answer for each question.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which of the following are potential ignition sources in a shop?
  - a. Damaged extension cord
  - b. Stacks of paper
  - c. Car engine
  - d. a and c
  
2. Why is fire safety important in an auto repair shop?
  - a. Many auto repair products are flammable
  - b. Protect property
  - c. Auto repair shops contain potential ignition sources
  - d. All of the above
  
3. Which item is NOT included in a shop fire prevention plan?
  - a. Safety data sheets
  - b. Emergency action plan
  - c. Communication and training
  - d. Audit of potential ignition sources
  
4. Which of the following are steps for cleaning up a spill?
  - a. Assess the risk
  - b. Confine the spill
  - c. Pour the spilled liquid back into its original container
  - d. a and b
  
5. Which of the following are NOT proper procedures for handling waste motor oil?
  - a. Dispose of used waste liquids with the regular shop garbage
  - b. Waste liquids are removed by licensed haulers
  - c. Waste liquids are stored in separate containers
  - d. Store barrels on top of a pallet
  
6. Which item is NOT part of a fire hazard mitigation plan?
  - a. Prevent spills
  - b. Eliminate ignition sources
  - c. Restrict smoking to one area of the shop
  - d. Handle wastes properly

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7. Why is brake cleaning a challenge?
  - a. Traditional chlorinated products do not work well
  - b. Traditional chlorinated products are toxic and cause air pollution
  - c. Products without chlorinated compounds are flammable
  - d. b and c
8. Select the following items which are part of a spill prevention strategy:
  - a. Store engines on wooden pallets
  - b. Use drip pans under vehicles to collect oil
  - c. Store materials near point of use
  - d. b and c
9. Which of the following are true about water-based degreasers?
  - a. Water-based degreasers emit less VOCs
  - b. Water-based degreasers are less flammable
  - c. Water-based degreasers are not effective
  - d. a and b
10. Which of the following most closely fits the definition of a VOC?
  - a. Chemicals with a strong odor
  - b. Chemicals that evaporate easily
  - c. Solvent degreasers
  - d. Flammable chemicals
11. Which of the following typically does NOT contain VOCs?
  - a. Gasoline
  - b. Brake cleaners
  - c. Motor oil
  - d. Solvent degreasers
12. Why is a messy shop a fire hazard?
  - a. A messy shop may contain an excess of combustibles such as rags, and paper
  - b. Cleaning up spills is more difficult in a messy shop
  - c. a and b
  - d. A messy shop causes electrical hazards
13. Which of the following is NOT part of a spill kit?
  - a. Personal protective equipment
  - b. Forms for making a report
  - c. Adsorbent pads
  - d. Oil dry or kitty litter

14. Which of the following is NOT true of used shop rags?
- Some local regulations allow used shop rags to be laundered and reused.
  - Store used shop rags in a tightly sealed metal container.
  - Shop rags may spontaneously combust
  - Allow the solvents in a used shop rag to evaporate before storing
15. How many types of parts washers are used in auto shops?
- zero
  - 1
  - 2
  - 3
16. Which of the following is NOT true of parts washers?
- Parts washers are less effective than traditional cleaning processes
  - Parts washers are available for many applications
  - Water-based parts washers use detergents to clean engine parts
  - Bioremediation parts washers use bacteria to break down oil and grease
17. What was the cause of the 2019 Long Island, New York fire?
- Spontaneous combustion of used shop rags
  - Smoking in the shop
  - Spark from a shop vacuum ignited solvent vapors
  - Spark from a car engine ignited oil on the shop floor
18. Which of the following are true for flammable storage cabinets?
- Flammable storage cabinets are available in many sizes
  - Highly flammable products require more shelf space than less flammable products
  - a, b and d
  - Rooms containing flammable storage cabinets should be well ventilated
19. When pouring flammable liquids from one container to another, why is it necessary for both containers to be grounded?
- Prevent liquids from splashing
  - Spark from static electricity could cause a fire
  - Minimize fumes from the liquid
  - The grounding wires hold the containers in place
20. The flashpoint of a chemical is:
- The rate at which the chemical will burn
  - The temperature when the chemical will boil
  - The lowest temperature at which its vapor can ignite



## **EXAM A - ANSWER KEY**

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