

JONES COUNTY CAREER-TECHNICAL CENTER

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March 31, 2020

Dear Parents and Career Tech Students:

From the Faculty, Staff and Administration of the Jones County Career Technical Center, it is our intent to provide enrichment activities for our students and support for our parents during these difficult times.

The following enrichment activities will allow students to review the instruction that they already have received this year.

You will find questions with answers for you to study and review. There are no assignments to be returned to school.

If the JCCTC can be of any assistance to our students and parents with the enrichment activities, please feel free to call us at 601-425-2378 between the hours of 9:00 a.m. and 1:00 p.m. or contact the instructor by email. Email addresses are located under the program name on our webpage.

Sincerely,



Rex Buckhaults
Director, JCCTC

Enrichment activities auto collision 2**True/False**

Indicate whether the sentence or statement is true or false.

- _____ 1. Seat belts are strong nylon straps.
- _____ 2. Three points seat belts are only found in pre 1960's vehicles.
- _____ 3. A pyrotechnique retractor use a electrical generating retractor to develop pressure.
- _____ 4. On a passive system, the belt warning light will glow for a few seconds.
- _____ 5. A belt retractor is also called a tensioner.
- _____ 6. An air bag system manually deploys.
- _____ 7. Impact sensors are the only sensors to detect a collision.
- _____ 8. An air bag igniter also called a squint, produces a small spark.
- _____ 9. A knee convertor cushions the driver's knees from impact and helps the driver from sliding under the air bag during a collision.
- _____ 10. Both impact and arming sensors are motion sensors.
- _____ 11. A spray gun breaks liquid into a mist.
- _____ 12. Degradation breaks the liquid material into a fine mist.
- _____ 13. Most low VOC regulations require 10 psi or more at the air cap.
- _____ 14. Paint cabinets are used for storing putty.
- _____ 15. Tack cloths are coated with varnish.
- _____ 16. A booth manometer indicates how air pressure is at the regulator in the spray booth.
- _____ 17. A door jamb gun is a very small spray gun.
- _____ 18. Airless spraying equipment uses a minimal amount of air pressure to atomize the spray material.
- _____ 19. Using conventional oil to lubricate a spray gun is recommended by spray gun manufacturers.
- _____ 20. Heeling occurs when the painter moves the spray gun in a non-parallel pattern.

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- _____ 21. When servicing an air bag, always wear
 - a. rubber gloves
 - b. a respirator
 - c. eye protection
 - d. all of the above
 - e. none of the above
- _____ 22. A few convertibles are convertible sport cars are equipped with
 - a. a fixed roll bar
 - b. automatic roll bar
 - c. both A and B
 - d. neither A nor B

- ____ 23. The electronic control unit is usually located
a. under the hood
b. under the dash
c. under the driver's seat
d. none of the above
- ____ 24. When an air bag is deployed, _____.
a. use an air gun to blow the powder out of the interior
b. use a vacuum to clean the powder
c. lightly spray water on the powder and sweep out
d. none of the above
- ____ 25. A curtain air bag deploys from the _____.
a. front pillar
b. glove box
c. steering column
d. none of the above
- ____ 26. Technician A says the passenger side air bag deploys from a small door on the right side of the dash. Technician B says the passenger side air bag deploys from the B pillar. Who is correct?
a. Technician A
b. Technician B
c. both A and B
d. neither A nor B
- ____ 27. Technician A the air bag controller analyzes output from the sensor to determine if bag deployment is necessary. Technician B says the air bag controller analyzes input from the sensor to determine if bag deployment is necessary. Who is correct?
a. Technician A
b. Technician B
c. both A and B
d. neither A nor B
- ____ 28. Technician A says an active restraint system is one that the occupants must make an effort to use. Technician B says an active restraint system operates automatically. Who is correct?
a. Technician A
b. Technician B
c. both A and B
d. neither A nor B
- ____ 29. Technician A says a passive restraint system is one that operates automatically. Technician B says a passive restraint system requires the occupants to make an effort to use. Who is correct?
a. Technician A
b. Technician B
c. both A and B
d. neither A nor B
- ____ 30. Technician A says a belt retractor is used to remove slack from the seat belts. Technician B says a tensioner is used to remove slack from the seat belts. Who is correct?
a. Technician A
b. Technician B
c. both A and B
d. neither A nor B
- ____ 31. Technician A says there is only one type of child safety seat; front facing. Technician B says there is two types; front and rear facing child safety seats. Who is correct?
a. Technician A
b. Technician B
c. both A and B
d. neither A nor B
- ____ 32. Technician A says air bags have an impact sensor. Technician B says air bags have an arming sensor. Who is correct?
a. Technician A
b. Technician B
c. both A and B
d. neither A nor B
- ____ 33. Technician A says a safing sensor is a third failsafe sensor to prevent accidental bag deployment. Technician B says all air bag sensors must be open to signal the computer that a collision is taking place. Who is correct?
a. Technician A
b. Technician B
c. both A and B
d. neither A nor B

Name: _____

ID: A

- ____ 57. Technician A says spray gun stroke refers to the speed of the pattern being sprayed. Technician B says gun stroke refers to the hand motion used to move the gun while spraying. Who is correct?
- a. Technician A
 - b. Technician B
 - c. both A and B
 - d. neither A nor B
- ____ 58. Technician A says spray gun distance refers to the distance of the gun nozzle to the surface. Technician B says spray gun distance refers to the spraying distance from one end of the vehicle to the other. Who is correct?
- a. Technician A
 - b. Technician B
 - c. both A and B
 - d. neither A nor B
- ____ 59. Technician A says a viscometer measures air flow in the paint booth. Technician B says a viscometer measures temperature and air flow in a paint booth. Who is correct?
- a. Technician A
 - b. Technician B
 - c. both A and B
 - d. neither A nor B
- ____ 60. Technician A says a pressure fed spray gun is often used to spray larger vehicles such as buses, trucks, etc. Technician B says a pressure fed gun is used to spray door jams. Who is correct?
- a. Technician A
 - b. Technician B
 - c. both A and B
 - d. neither A nor B

Completion

Complete each sentence or statement.

61. The air bag module contains the _____ mechanism and tough nylon pouch.
62. _____ with four anchors, two buckles, and two shoulder belts are used in some high performance sports cars.
63. An air bag sensor design uses a _____ attached to a coil spring.
64. The air bag igniter is also called a _____.
65. Almost as soon the bag is filled the gas is _____ and vented, thus deflating the assembly as the collision energy is absorbed.
66. The pattern control valve controls _____ through the side orifice.
67. The auxiliary orifices promote _____ of the paint.
68. The HVLP system is known as the _____ system.
69. _____ is the most common type spray gun used in shops.
70. A gravity feed gun is less likely to _____ paint when spraying.

Enrichment activities auto collision 2
Answer Section

TRUE/FALSE

1. ANS: T
2. ANS: F
3. ANS: F
4. ANS: T
5. ANS: T
6. ANS: F
7. ANS: T
8. ANS: F
9. ANS: F
10. ANS: F
11. ANS: T
12. ANS: F
13. ANS: F
14. ANS: T
15. ANS: T
16. ANS: F
17. ANS: T
18. ANS: F
19. ANS: F
20. ANS: F

MULTIPLE CHOICE

21. ANS: D
22. ANS: C
23. ANS: A
24. ANS: B
25. ANS: A
26. ANS: A
27. ANS: B
28. ANS: A
29. ANS: A
30. ANS: C
31. ANS: D
32. ANS: C
33. ANS: A
34. ANS: B
35. ANS: A
36. ANS: D

- 7. ANS: A
- 8. ANS: B
- 9. ANS: A
- 10. ANS: B
- 11. ANS: A
- 12. ANS: D
- 13. ANS: B
- 14. ANS: A
- 15. ANS: B
- 16. ANS: D
- 17. ANS: B
- 18. ANS: A
- 19. ANS: C
- 20. ANS: D
- 21. ANS: C
- 22. ANS: A
- 23. ANS: B
- 24. ANS: C
- 25. ANS: D
- 26. ANS: A
- 27. ANS: B
- 28. ANS: A
- 29. ANS: D
- 30. ANS: A

LETION

- 1. ANS: inflator
- 2. ANS: Four point belts
- 3. ANS: weight
- 4. ANS: squib
- 5. ANS: cooled
- 6. ANS: airflow
- 7. ANS: atomization
- 8. ANS: high solids
- 9. ANS: Gravity fed
- 10. ANS: leak and drip