**Vehicle Extrication Passenger Car 2023**

**Study Guide**

1. Describe how the Department of Transportation classifies vehicles.
2. Describe the procedures and safety precautions for marrying two vehicles.
3. Describe the outer survey.
4. Define the terms:
   1. Jacking the trunk.
   2. Cross-ramming.
   3. Stable equilibrium.
   4. Tunneling.
5. Describe the procedure to dispose of contaminated absorbent material.
6. Identify and describe:
   1. Buttress struts.
   2. Bumper systems.
   3. Impact beam.
   4. Strut tower.
   5. Core support.
7. Identify and describe the seven key components that make up the body portion of a vehicle.
8. Explain the difference between body over frame construction and unibody construction.
9. Identify the four types of stabilization tools.
10. Describe the components of an incident action plan (IAP).
11. Identify the two elements of carbon steel.
12. Describe how the Department of Energy classifies vehicles.
13. Identify the unstable area of a car resting on its roof.
14. Explain the differences between Plan A and Plan B access plans.
15. Identify the hazards for vehicles with magnesium components.
16. Describe the procedures utilities use to determine where this is a break in a power line.
17. Explain the rule of thumb for determining the maximum height of stacked cribbing.
18. Identify the different types of glass removal tools.
19. Identify the minimum respiratory protection used when cutting tempered glass.
20. Explain the goal of vehicle stabilization.
21. Explain the formula to calculate the load bearing capacity for Douglas fir.
22. Describe an internal combustion engine.
23. Identify the first step before stabilizing a vehicle.
24. Identify the advantages of using magnesium components for vehicles.