

Define Road Safety.

Road safety refers to the measures which must be adopted by everyone while using roads. These safety methods are meant for reducing the risk of accidents and injuries or casualties on the road. These rules must be followed by all users of roads including pedestrians,.

Defensive driving

Defensive driving aims to train a driver above and beyond the rules of the road and the mechanics of a vehicle. Defensive driving endeavors to reduce the risk of vehicular collision by anticipating dangerous situation despite adverse conditions or mistakes by other drivers on the road. Aside from being safer, being a defensive driver may help you save some money. Some insurance companies give discounts to drivers who finish defensive driving courses. Accidents can be lessened by always being cautious whenever you're on the road, but there will be times when you cannot avoid an accident.

What is Defensive Driving?

Definition: Defensive driving is the practice of maintaining an awareness of road and weather conditions, other vehicles, road users and potentially hazardous situations and then taking steps to prevent becoming the cause of or becoming involved in a road crash.

What is meant by sandwich construction?

Sandwich structures are **multilayer structural members composed of two stiff face sheets generally bonded to a honeycomb or foam core** (see Fig. 2.1). The latter are the most common ones, but other typologies of core such as web core or truss core can also be employed.

Sandwich panels have been widely used for structural applications in the marine, aerospace. Further benefits are available from the use of sandwich construction, in which a relatively stiff, strong skin is bonded either side of a much thicker, lightweight core.

CRUMPLE ZONE :

The crumple zone of an automobile is a structural feature designed to compress during an accident to absorb energy from the impact. Typically, crumple zones are located in the front part

of the vehicle, in order to absorb the impact of a head-on collision, though they may be found on other parts of the vehicle as well. Some racing cars use aluminum or composite honeycomb to Reduce impact.

it's **designed to crumple or crush upon the impact of a powerful force**. Crumple zones transfer some of the vehicle's kinetic energy into a controlled crumpling upon impact while preserving the integrity of the passenger cabin

Qualities of a good driver ?

A good driver is well trained

A good driver is patient

A good driver observes traffic rules and regulations

A good driver keeps his car in good condition

A good driver is humble and responsible

A good driver knows how to park

Good drivers don't speed

Crashworthiness:

the ability of a car or other vehicle to withstand a collision or **crash** with minimal bodily injury to its occupants.

“Crashworthiness Crashworthiness ” -measure measure of the ability ability of a structure structure and any of its components to protect the occupants in survivable crashes. (aerospace industry) •

Crashworthiness connotes a measure of the vehicle's structural ability to plastically deform and yet maintain a sufficient survivable space for its occupants in crashes involving reasonable deceleration loads

BIG QUESTIONS 👍

What is vehicle Safety ?

motor vehicle safety. ' means the performance of a motor vehicle or motor vehicle equipment in a way that protects the public against unreasonable risk of accidents occurring because of the design, construction, or performance of a motor vehicle, and against unreasonable risk of death or injury in an accident, and includes nonoperational safety of a motor vehicle .