



## ROAD SAFETY

Q1: Accidents are mainly due	Response
1. Driver Negligence	<input type="checkbox"/> 1
2. Lack of driving norms	<input type="checkbox"/> 2
3. Lack of awareness of road system	<input type="checkbox"/> 3
4. Lack of awareness of hazardous condition of the road system	<input type="checkbox"/> 4
5. Due to being unfit to drive	<input type="checkbox"/> 5
6. Lack of any knowledge pool for self-awareness of traffic signs/norms	<input type="checkbox"/> 6
	<input type="checkbox"/> All of the above

Q2: Driver Negligence is	Response
1. Not having a valid driver license	<input type="checkbox"/> 1
2. Careless or sudden lane changes	<input type="checkbox"/> 2
3. Driving when drowsy or fatigued	<input type="checkbox"/> 3
4. Driving when under the influence of alcohol or drugs	<input type="checkbox"/> 4
5. Being distracted due to visuals or sudden medical condition	<input type="checkbox"/> 5
6. Careless driving amidst road works/repairs/deterioration	<input type="checkbox"/> 6
	<input type="checkbox"/> All of the above

Q3: Lack of driving norms is	Response
1. Not wearing the seat belt/ helmet	<input type="checkbox"/> 1
2. Sudden lane changes	<input type="checkbox"/> 2
3. Sudden speeding	<input type="checkbox"/> 3
4. Not putting a warning sticker on the windshield for having a baby on board, for driving around debilitated/differently able passengers or when with a medical condition	<input type="checkbox"/> 4
5. Due to a sudden medical condition	<input type="checkbox"/> 5
6. Lack of awareness of driving at night or in foggy conditions	<input type="checkbox"/> 6
	<input type="checkbox"/> All of the above

Q4: Lack of self-awareness of	Response
1. Giving way for overtaking vehicles	<input type="checkbox"/> 1
2. Giving way for avoiding collisions	<input type="checkbox"/> 2
3. Managing driving norm violations of other vehicles/drivers	<input type="checkbox"/> 3
4. Knowing how to help a baby on board, or how to help a debilitated/differently able passengers or how to respond for a sudden change in weather	<input type="checkbox"/> 4
5. Knowing how to manage a sudden medical condition	<input type="checkbox"/> 5
6. Lack of awareness of handling vehicle fires/nearly overturning/sliding backwards in ascent/slipping or skidding in descent	<input type="checkbox"/> 6
	<input type="checkbox"/> All of the above

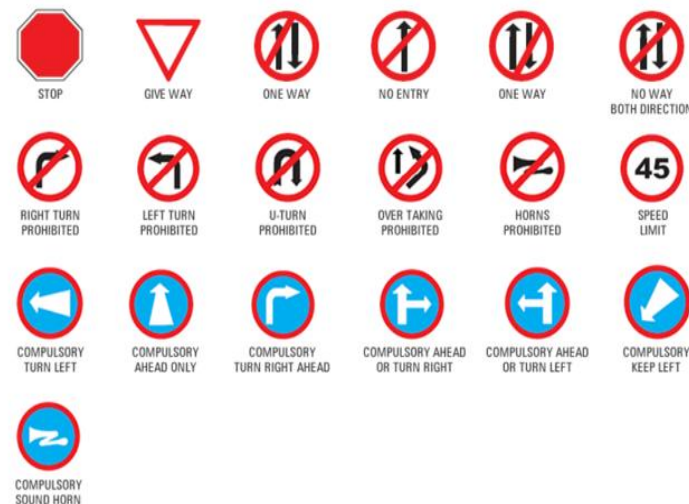
Q5: Lack of awareness of road systems is	Response
1. Not knowing about roundabout turns	<input type="checkbox"/> 1
2. Not knowing end or continuation of a median	<input type="checkbox"/> 2
3. Not knowing about a junction with/without traffic light systems/not knowing about routes with traffic congestion	<input type="checkbox"/> 3
4. Not knowing about a vehicle suddenly appearing from its parking/turn/intersecting cross road	<input type="checkbox"/> 4
5. Not knowing how to drive amidst large motor vehicles permitted or not permitted to use road system/road	<input type="checkbox"/> 5
6. Not knowing how to avoid a suddenly appearing pedestrian, or cyclist, or goods/vegetables/fruits cart	<input type="checkbox"/> 6
	<input type="checkbox"/> All of the above



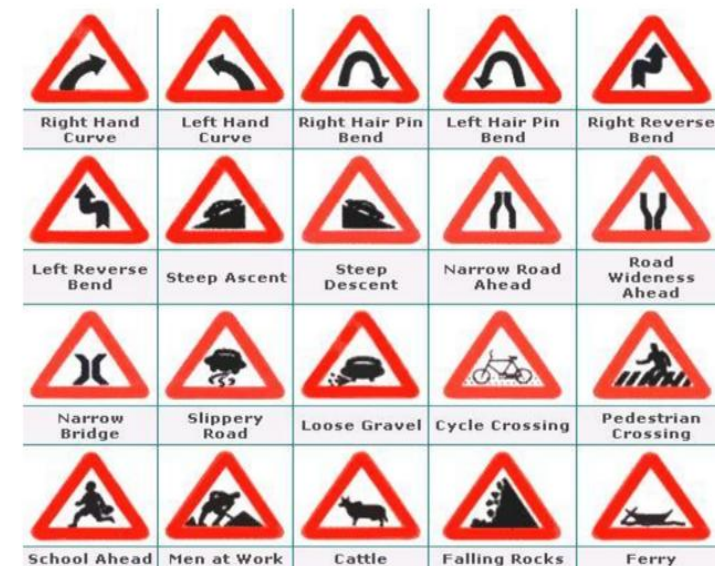
## ROAD SAFETY

- Every road has certain MIR assets and certain MIR liabilities, where MIR assets help road system utilization and performance, whereas MIR liabilities are always or sometimes hazardous if not suitable for a road configuration or can pose a risk to people using a road system.
- The MIR specification terms the following as **MIR assets**
  - 1. Road configuration databases and/or cloud based systems
  - 2. Traffic signals and traffic control systems
  - 3. Disaster mitigation systems and Emergency Response systems
  - 4. Defect liability based feedback systems
  - 5. Planned Road signs, Billboards/Hoardings, Signages
  - 6. Evolving **RADIUS of coverage Key Performance Indicators or KPI(s)**

## Mandatory traffic signs



## Cautionary traffic signs



- The MIR specification terms the following as **MIR liabilities**
  - 1. Unplanned Lanes, Road Medians
  - 2. Unplanned Bordering Road Barricades
  - 3. Unplanned Speed breakers or Road Humps
  - 4. Unplanned or poorly constructed Pavements
  - 5. Poorly maintained Manholes & Sewer systems
  - 6. Impediment causing Elevated or Tube Railway infrastructure
  - 7. Unmanned or poorly maintained Railway crossings
  - 8. Poorly maintained Bridges and Tunnels\*
  - 9. Poorly maintained Trees and Greenery
  - 10. Hotspots (locations that need converged administration to address the need to mitigate climate change, rising pollution levels, rising CO<sub>2</sub> levels, poor air quality, accident trends, traffic problems, incidences of crime, issues with road system arboriculture)
  - 11. **No Road Infrastructure Transformation evaluations to minimize RADIUS OF COVERAGE inefficiencies**

**ROAD SAFETY-OUR  
NATIONAL SAFETY  
AND SOCIAL  
RESPONSIBILITY**



ROAD SAFETY

Vehicle Inspection

Category	Ok	Not Ok	Remarks
(A) Exteriors (Physical and Paint Condition)			
Body panel condition			
Body panel paint condition			
Teflon or Ceramic coating condition			
Free of body scratches			
Free of body dents			
Water resistant covers			
Fuel tank condition			
Dashboard / Speedometer condition			
Headlights focus/condition			
Taillights condition			
Indicators condition			
Brake lights condition			
Clutch condition			
Horn condition			
Choke condition			
Self-start condition			
Mirrors condition			

Vehicle Inspection

(B) Steering	Ok	Not Ok	Remarks
Vehicle does not drift to one side without prodding			
Vehicle is stable no shaking or vibrating			
No resistance in steering when turning			
No clicking or clanking when turning			
(C) Suspension			
Vehicle rests levelly			
When bouncing the tyres/wheels no creaking noises are heard			
All tyres/wheels respond the same on bouncing			
(D) Brakes			
Vehicle steers straight and does not pull to one side when applying brakes			
No grinding noises when applying brakes			
Wheels do not lock when applying anti-brake system (if applicable)			
Brakes functioning			

Vehicle Inspection

(E) Tyres	Ok	Not Ok	Remarks
Tyres are of a reputable brand			
Tyres are of the same make			
Tyres are free of any cuts, bubbles or cracks			
Tyres are worn evenly (uneven wear can indicate alignment and suspension problems)			
Spare tyre condition good (if applicable)			
(F) Frame			
Chassis is neither bent nor cracked			
No body part is bent nor cracked			
No petrol/diesel/oil leaks			
No signs of metal crumbling			
Frame condition is good			

Vehicle Inspection

(G) Interiors	Ok	Not Ok	Remarks
Seat unworn and free of cracks			
All gauges work			
No dashboard warning lights (remain illuminated)			
(H) Engine			
Mileage			
Vibration/Smooth running			
Free of oil or fluid leaks			
Free of odours when engine is running			
Exhaust pipe emissions are neither blue (indicates the engine burns oil) nor black (excessive oil consumption)			
Oil filler neck not coated with thick, black deposits			
Timing Belt condition			
Battery condition			
Battery terminals free of corrosion			
Battery Management System condition			

Vehicle Inspection

(I) Manual or standard transmission	Ok	Not Ok	Remarks
Each gear shifts smoothly			
Clutch works smoothly			
Clutch cable condition			
Adjustment / Other Clutch issues			
(J) Automatic transmission			
Transmission fluid looks clean, not dirty nor gritty (indicating no internal transmission problem)			
Transmission neither slips or delays while driving			