

UNIT – VI(A)

TFC SIGNS

Presentations by
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Unit 6

- **TRAFFIC SIGNS AND ROAD MARKINGS :**
 - Types of traffic signs
 - Cautionary, regulatory and informative signs
 - Specifications
 - Pavement markings
 - Types of markings
 - Lane markings and object markings
 - Standards and specifications for road markings.

TFC SIGNS

Tfc Control Devices

5.3.2 Traffic Control Devices

The various aids and devices used to control, regulate and guide traffic may be called traffic control devices. The general requirements of traffic control devices are : attention, meaning, time for response and respect of road users. The most common among these are (a) Signs (b) Signals (c) Markings and (d) Islands. In addition, road lights are useful in guiding traffic during night.

Traffic signs

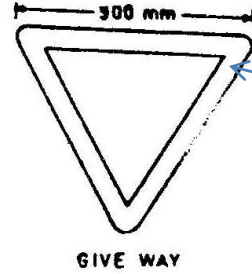
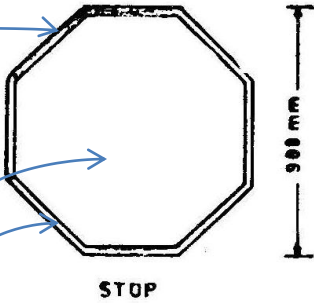
The traffic signs should be backed by law in order to make them useful and effective. Traffic signs have been divided into three categories according to Indian Motor Vehicles Act. These are (i) Regulatory signs (ii) Warning signs and (iii) Informatory signs.

REGULATORY SIGNS

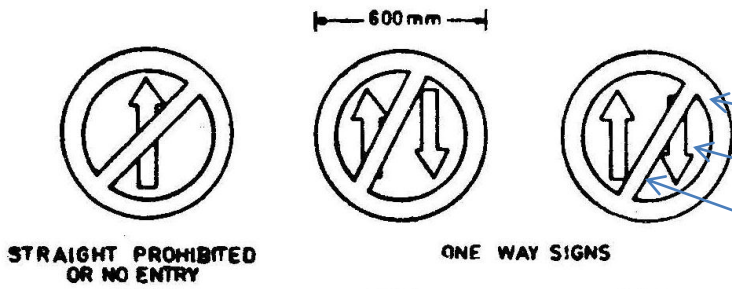
Regulatory or mandatory signs are meant to inform the road users of certain laws, regulations and prohibitions; the violation of these signs is a legal offence. The regulatory signs are classified under the following **sub-heads** :

- (i) Stop and Give-way signs
- (ii) Prohibitory signs
- (iii) No Parking and No Stopping signs
- (iv) Speed Limit and Vehicle Control signs
- (v) Restriction Ends sign
- (vi) Compulsory Direction Control and other signs

(i) STOP Sign
 Octagonal shape
 Red in Color
 White border

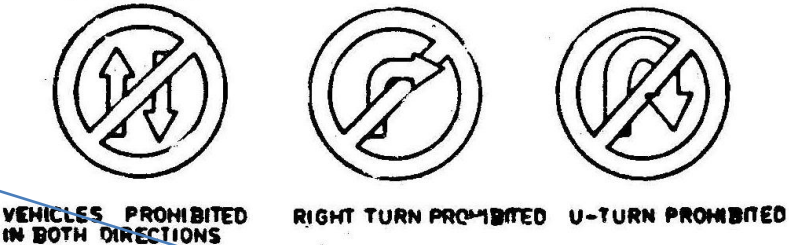


Sometimes used by
 Vehicles on Emergency
 Duties ALSO

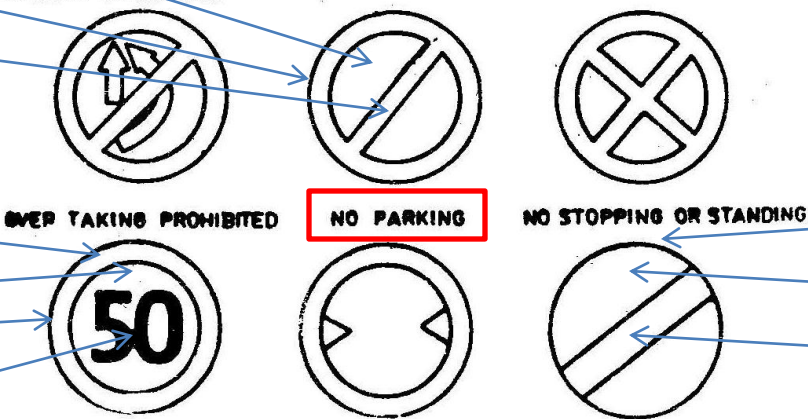


(ii) PROHIBITARY
 Blue Border
 Red Arrow
 Oblique Red bar at 45 deg

(iii) NO PARKING
 Blue background
 Red Border
 Oblique Red bar



(iv) SPEED LIMIT
 Circular shape
 White background
 Red Border
 Black Numerical



(v) RESTRICTION ENDS
 Circular
 White background
 Diagonal Black band



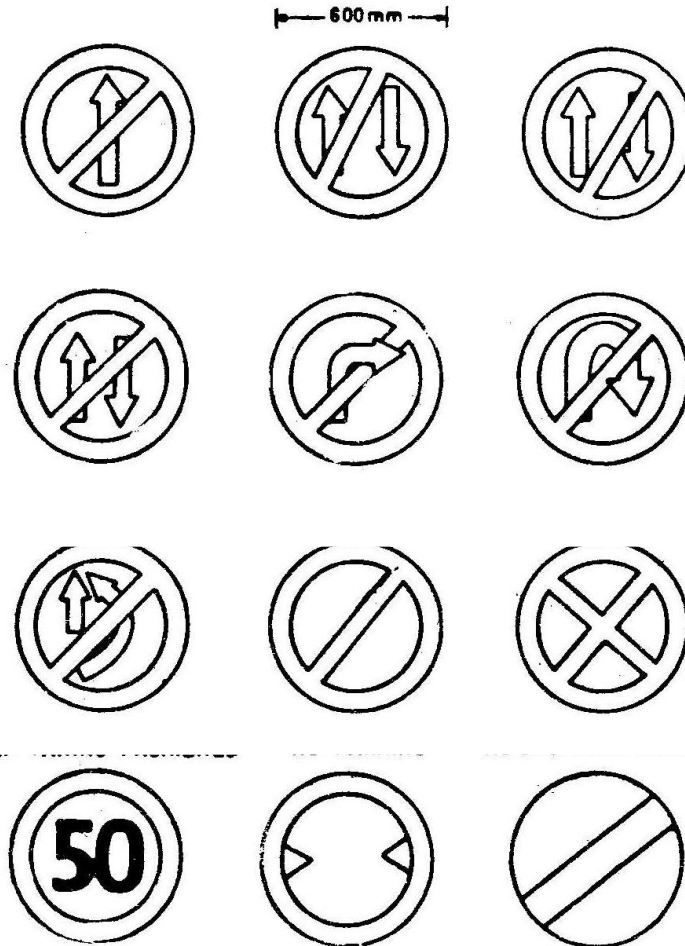
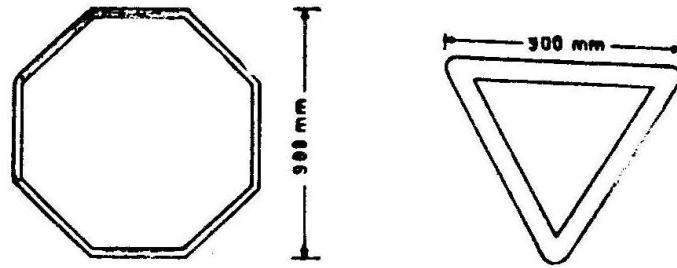


Fig. 5.24 Regulatory Signs

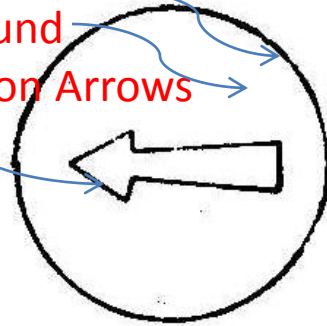
Regulatory Signs

(vi) Compulsory Direction Signs

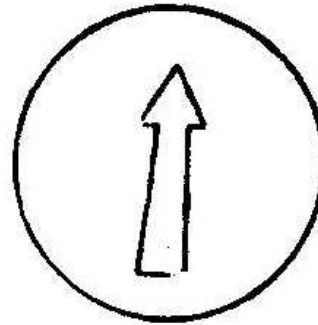
Circular Plate

BLUE Background

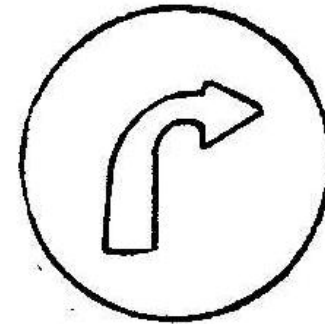
WHITE Direction Arrows



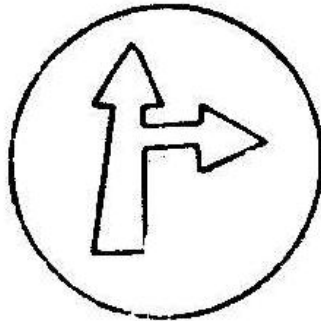
COMPULSORY
TURN LEFT



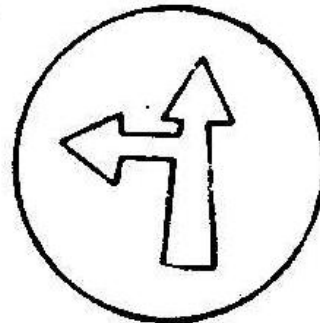
COMPULSORY
AHEAD ONLY



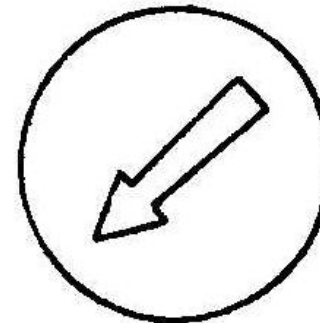
COMPULSORY
TURN RIGHT AHEAD



COMPULSORY
AHEAD OR TURN RIGHT



COMPULSORY
AHEAD OR TURN LEFT



COMPULSORY
KEEP LEFT

(Compulsory Direction Control Signs)

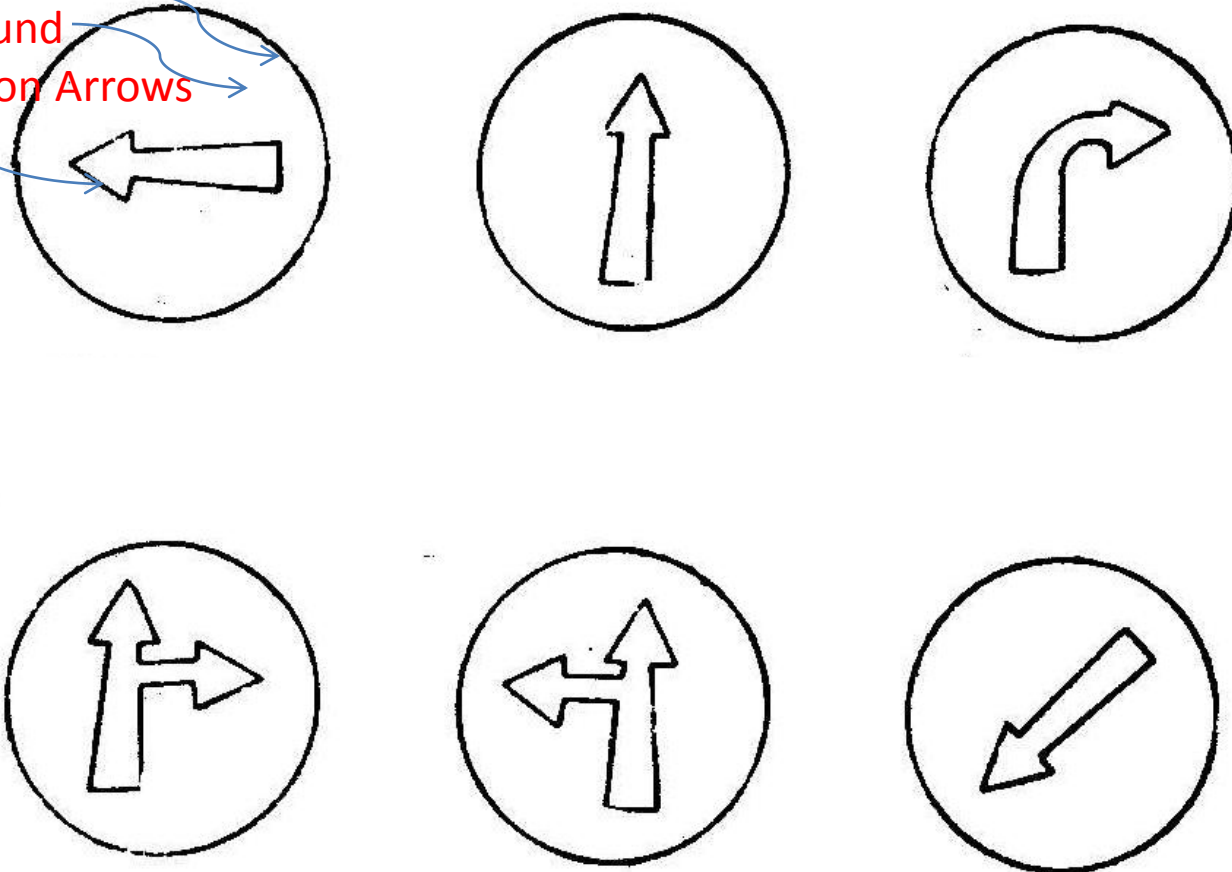
Regulatory Signs

(vi) Compulsory Direction Signs

Circular Plate

BLUE Background

WHITE Direction Arrows



REGULATORY



No Right Turn



No Left Turn



No U Turn



No Entry



No Overtaking



Speed Limit



Speed Limit



Speed Limit



Max. Height Limit

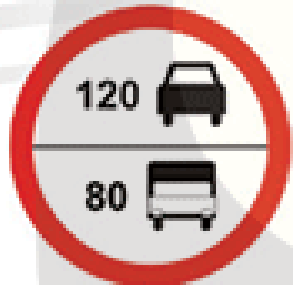


End of No Overtaking

REGULATORY



REGULATORY



Speed Limit



Two Way Traffic



No Parking



Bus Prohibited



Truck Prohibited



No Horn



No Bicycle



Give Way

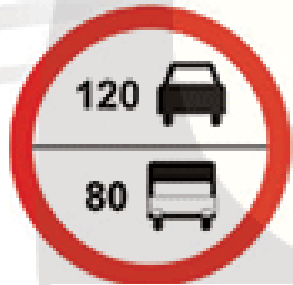


All Vehicles Prohibited



No Stopping

REGULATORY



REGULATORY SIGNS



Direction



Keep Left



Keep Right



Direction



U Turn



Right Turn



Left Turn



Round About

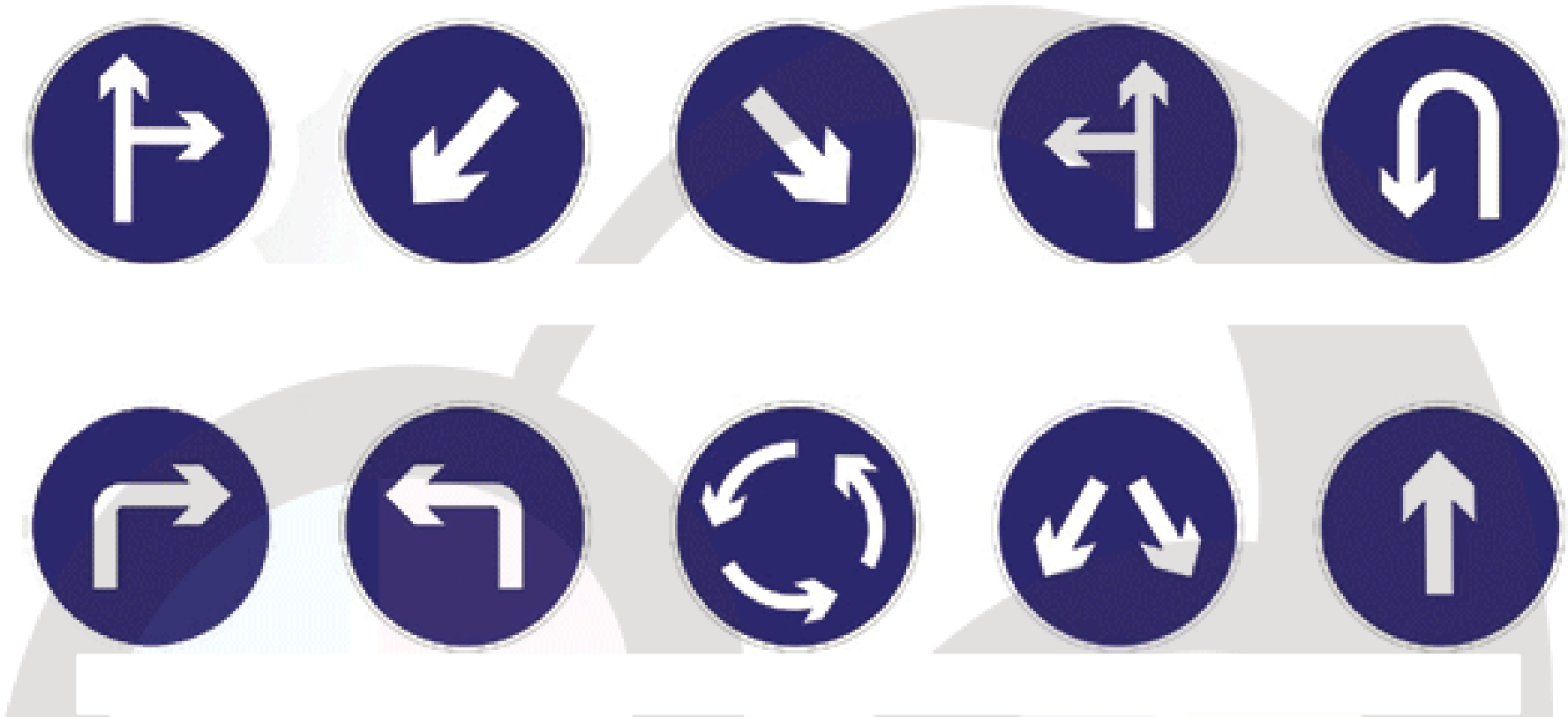


Pass Either



One Way

REGULATORY SIGNS



COMPULSARY SIGNS



**Straight prohibited
or no entry**



One way signs



**Vehicle prohibited
in both directions**



**All motor vehicles
prohibited**



One way signs



**Bullock cart
prohibited**



**Tonga
prohibited**



**Hand Cart
prohibited**



**Cycle
prohibited**



**Pedestrians
prohibited**



**Right turn
prohibited**

COMPULSARY SIGNS



REGULATORY SIGNS



Left turn prohibited



U-turn prohibited



Overtaking prohibited



Horn prohibited



Bullock cart & cart prohibited



Length limit



Speed limit



Load limit



Height limit



Width limit



Axle load limit



Restriction ends sign

REGULATORY SIGNS



REGULATORY SIGNS



No parking



No stopping or standing



Compulsory ahead only



Compulsory keep left



Compulsory turn left



Compulsory turn right



Compulsory turn right ahead



Compulsory turn left ahead



Compulsory ahead or turn left



Compulsory ahead or turn right



Compulsory cycle track



Compulsory sound horn

REGULATORY SIGNS



WARNING SIGNS

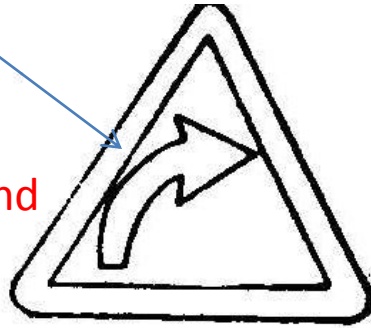
Warning Signs

Warning or Cautionary signs are used to warn the road users of certain hazardous conditions that exist on or adjacent to the roadway. The Warning signs are in the shape of equilateral triangle with its apex pointing upwards. They have a white back ground, red border and black symbols. The warning signs are to be located at sufficient distance in advance of the hazard warned against; these distances are 120, 90, 60 and 40 metre respectively on National/State Highways, Major District Roads, Other District Roads and Village Roads; on urban roads this distance is 50 metre.

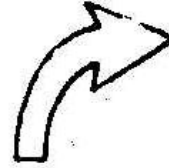
The commonly used Warning signs are, Right Hand/Left Hand Curve, Right/Left Hair Pin Bend, Right/Left Reverse Bend, Steep Ascent/Descent, Narrow Bridge/Road Ahead, Gap in Median, Slippery Road, Cycle Crossing, Pedestrian Crossing, School Zone, Men at Work, Ferry, Cross Road, Side Road, T-Intersection, Y-Intersection, Major Road Ahead, Round About, Dangerous Dip, Hump or Rough Road, Barrier Ahead, Unguarded Railway Crossing, Guarded Railway Crossing and Falling Rock. Some of these Warning Signs are shown in Fig.5.25.

WARNING SIGNS

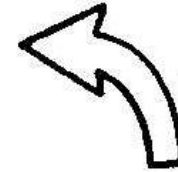
1. Equilateral Triangle With Apex Pointing Upwards
2. Red Border
3. White Back ground
4. Black symbols



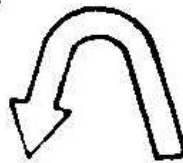
TYPICAL CAUTIONARY SIGN



RIGHT HAND CURVE



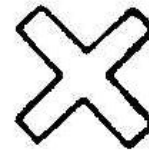
LEFT HAND CURVE



HAIR PIN BEND LEFT



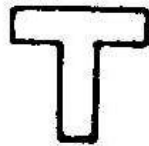
REVERSE BEND RIGHT



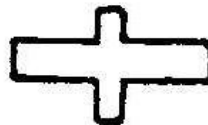
CROSS ROAD



SIDE ROAD RIGHT



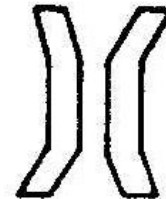
T- INTERSECTION



MAJOR ROAD AHEAD

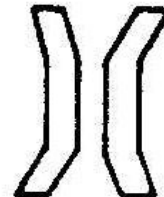
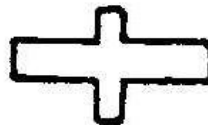
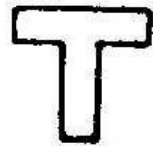
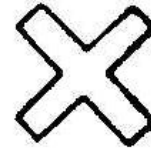
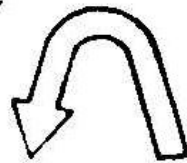
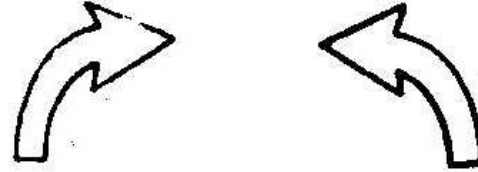
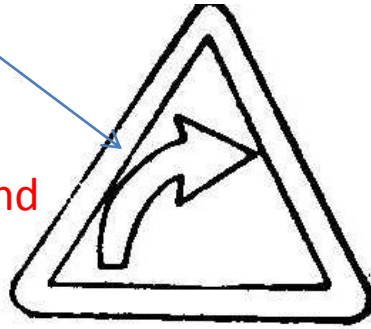


NARROW BRIDGE



WARNING SIGNS

1. Equilateral Triangle With Apex Pointing Upwards
2. Red Border
3. White Back ground
4. Black symbols



WARNING SIGNS



Loose gravel



Cycle crossing



Pedestrian
Crossing



School ahead



Men at work



Cattle



Falling rocks



Ferry

WARNING SIGNS





Cross road



Gap in median



Side road right



Side road left



Y-intersection



Y-intersection



Y-intersection



T-intersection



Staggered intersection



Staggered intersection



Major road ahead



Major road ahead





Roundabout



Dangerous dip



Hump or rough road



Barrier ahead

Unguarded Level Crossing



200 meters ahead



50-100 meters in plain & rolling terrain and 30-60 meters in hilly terrain.

Unguarded Level Crossing



200 meters ahead



50-100 meters in plain & rolling terrain and 30-60 meters in hilly terrain.



WARNING SIGNS



Right hand curve



Left hand curve



Hair pin bend Right



Hair pin bend Left



Right reverse bend



Left reverse bend



Steep ascent



Steep descent



Narrow road ahead



Wide road ahead



Narrow bridge



Slippery road

WARNING SIGNS



INFORMATORY SIGNS

Informatory signs

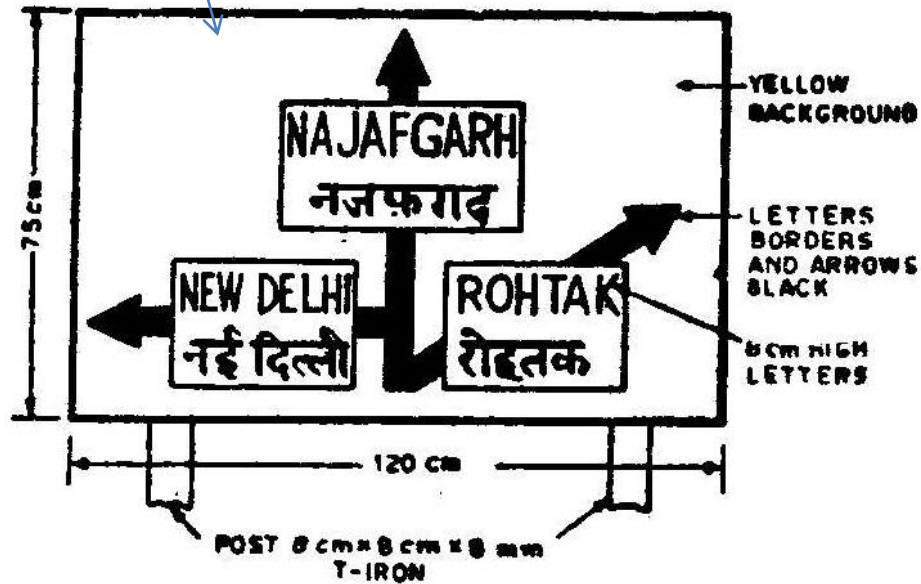
These signs are used to guide the road users along routes, inform them of destination and distance and provide with information to make travel easier, safe and pleasant. The information signs are grouped under the following **sub-heads**:

- (i) Direction and Place Identification signs
- (ii) Facility Information signs
- (iii) Other Useful Information signs
- (iv) Parking signs
- (v) Flood Gauge

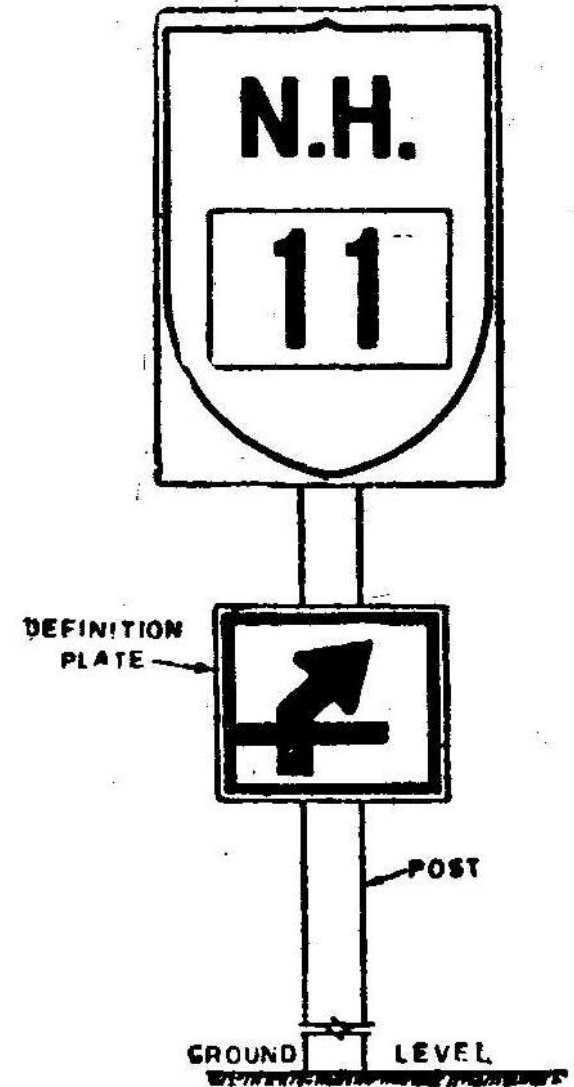
The **Direction and Place Identification signs** are rectangular with white back ground, black border and black arrows and letters. The inscriptions should be in English and other languages as necessary. The signs of this group include Destination signs, Direction signs, Re-assurance signs, Route Marker and Place Identification signs. Figure 5.27 shows some of the Informatory signs.

Informatory Signs

1. Rectangular
2. White Back ground
3. Black Border
4. Black Arrows and Letters



(a) Road Junction Approach



(b) Route Marker Sign

INFORMATORY SIGNS



PUBLIC TELEPHONE



PETROL PUMP



HOSPITAL



FIRST AID POST



EATING PLACE



LIGHT REFRESHMENT



RESTING PLACE



THOROUGH ROAD



THOROUGH SIDE ROAD



PARK THIS SIDE



PARKING LOT SCOOTER & MOTOR CYCLE



PARKING LOT CYCLE



PARKING LOT CARS

INFORMATORY SIGNS



MIXED RD SIGNS



Turn right



Go forward



Turn right here



Go forward or
turn right



Turn left or right



Roundabout



Keep right



Cyclists only



Pedestrians only



Pedestrians and
bicyclists only



Separated way for
pedestrians and bicyclists



Buses only



Taxis only



Trams only



Pedestrian zone



Pedestrian zone ends



Long-distance
bus stop



Local bus stop



Tram stop



Taxi station

MIXED RD SIGNS



MIXED SIGNS

