



# Maple Tree Accessory Shop

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## *Objectives:*

To build roads in easy and cheap ways.

To use suitable materials for construction of roads.

To provide easy movement of vehicles.

To minimize the road accidents.

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# *Introduction*

Pavement is the durable surface material laid down on an area intended to sustain vehicular or foot traffic, such as road or walkway.

In the past, cobble stones and granite setts were extensively used, but these surface have mostly been replaced by asphalt or concrete.

There are to types of pavements:

Flexible pavement

Rigid pavement

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# *Flexible pavement*

Is composed of bituminous material surface course, underlying base and sub base course.

Flexible pavement structure is typically composed of several layers of materials.

Each layers receives loads from the above layer, spreads them out and passes on these loads to the next layer below.

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# *Transportation system*

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*flexible pavement*

# *Highway development history*

- 1-roman road construction.
- 2-tresaguet road construction.
- 3-macadam road construction.

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*Modern roads*



# ***HIGHWAY PLANNING AND ALIGNMENT***

**planning surveys** : the data thus collected from the field.

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