Skill India
कौशल भारत-कुशल भारत

सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT
& ENTREPRENEURSHIP

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ASDC
AUTOMOTIVE SKILLS DEVELOPMENT COUNCIL

Participant Handbook

Sector
Automotive

Sub-Sector
Road Transportation

Occupation
Driving

Reference ID: **ASC/Q9714, Version 1.0, NSQF Level 4**

Chauffeur/Taxi Driver

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ASDC Contact Details:

Address: Sat Paul Mittal Building, 1/6, Siri Institutional Area, Khel Gaon Road, New Delhi - 110049, India

Email : info@asdc.org.in

Phone : 011 4186 8090

> Skilling is building a better India. If we have to move India towards development then Skill Development should be our mission.

Shri Narendra Modi
Prime Minister of India

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Certificate

COMPLIANCE TO
QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

AUTOMOTIVE SKILLS DEVELOPMENT COUNCIL

for

SKILLING CONTENT : PARTICIPANT HANDBOOK

Complying to National Occupational Standards of

Job Role/ Qualification Pack: **'Chauffeur/ Taxi Driver'** QP No. **'ASC/Q 9714 NSQF Level 4'**

Date of Issuance: April 9th, 2016
Valid up to*: April 10th, 2018

*Valid up to the next review date of the Qualification Pack or the 'Valid up to' date mentioned above (whichever is earlier)

Authorised Signatory
(Automotive Skills Development Council)

Acknowledgements

The content of this handbook is aligned to the curriculum of QP/NOS Chauffeur/Taxi Driver.

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We would also like to acknowledge the contributions of each and every stakeholder/ individual who have contributed directly or indirectly to the ideas presented in this book.

About this Book

Indian Auto Industry is one of the largest in the world. The industry is expected to contribute 10% to India's GDP as per Automotive Mission Plan 2016-26 and create 65 million additional jobs. This sector has massive potential for jobs throughout the country. In line with the rapid technological advancement in this field, there are exciting prospects for a fulfilling career in this industry.

This book is designed to enable a candidate to acquire skills that are required for employment. The content of this book is completely aligned to the National Occupation Standards QP/NOS and conform to the National Skills Qualification Framework (NSQF).

The Qualification pack of a Chauffeur/Taxi driver, Level 4 includes the following NOS's which have all been covered across the units:

Assess and ensure road worthiness of the vehicle (ASC/N9703)

Coordinate with control room and reach to the customer pickup point (ASC/N9706)

Drop the customer safely using the quickest route and collect the applicable fare for Taxi Driver (ASC/N9707)

Coordinate schedule and complete the assigned activities (ASC/N9719)

Drop the customer safely using the quickest route for chauffeur (ASC/N9720)

Work effectively in a team (ASC/N0002)

Practice HSE and security related guidelines (ASC/N0012)

Key Learning Objectives for the specific NOS mark the beginning of the unit/s for that NOS. The symbols used in this book are described below.

Happy learning!!

Symbols Used


Key Learning Outcomes


Steps


Time


Tips


Notes


Unit Objectives


Summary


Exercise


Activity

Table of Content

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1. Introduction

Key Learning Outcomes

At the end of the module, you will be able to:

1. Explain what is an automobile
2. Describe the evolution of automobiles
3. Explain the scope of automotive industry in India
4. Explain the taxi business in India
5. Classify automobiles based on different criteria
6. Describe role and responsibilities of a chauffeur/taxi driver

UNIT 1.1: Introduction To Automobile

Unit Objectives

At the end of this unit, you will be able to:

1. Explain what is an automobile
2. Describe the evolution in automobiles

1.1.1 What is an Automobile?

A wheeled vehicle that is powered by a motor is called an automobile. Automobiles replaced the traditional animal powered transport such as horse drawn carriages. Automobiles are used to transport people and goods from one location to another.

The first car built with an internal combustion engine is the Benz Patent-Motor Wagen in the year 1885. This car ran on petrol.

Fig 1.1.1 The Benz Patent-Motor wagen

Evolution in Automobiles

Automobiles went through a process of evolution from the very beginning. This is shown in the set of images below which show the early efforts of people trying to build an automobile, to the current day automobile.

1600

A chariot driven by the wind

1769

The first vehicle driven by steam power

1801

First steam carriage

1893

Three – wheeled phaeton

1911

The first electric self-starter car

1928

Synchro-mesh transmission vehicle

1940	1949	1960
		
Sealed beam headlamps became standard: and automatic transmission was mass produced	*New high-compression engines were introduced, and bodies acquired bigger areas of glass*	*Toyota Corolla*
1983	**1998**	**2017**
		
Maruti 800	*Tata Indica*	*Hyundai Ioniq Electric*

Table 1.1.2 Progress of Automobiles

Different Names for Automobiles

Automobiles are known by different names like:

- Car
- Motor Vehicle
- Motor Car
- Auto Rickshaw
- Motor Wagon
- Bus
- Truck

UNIT 1.2: Classification Of Automobiles

Unit Objectives

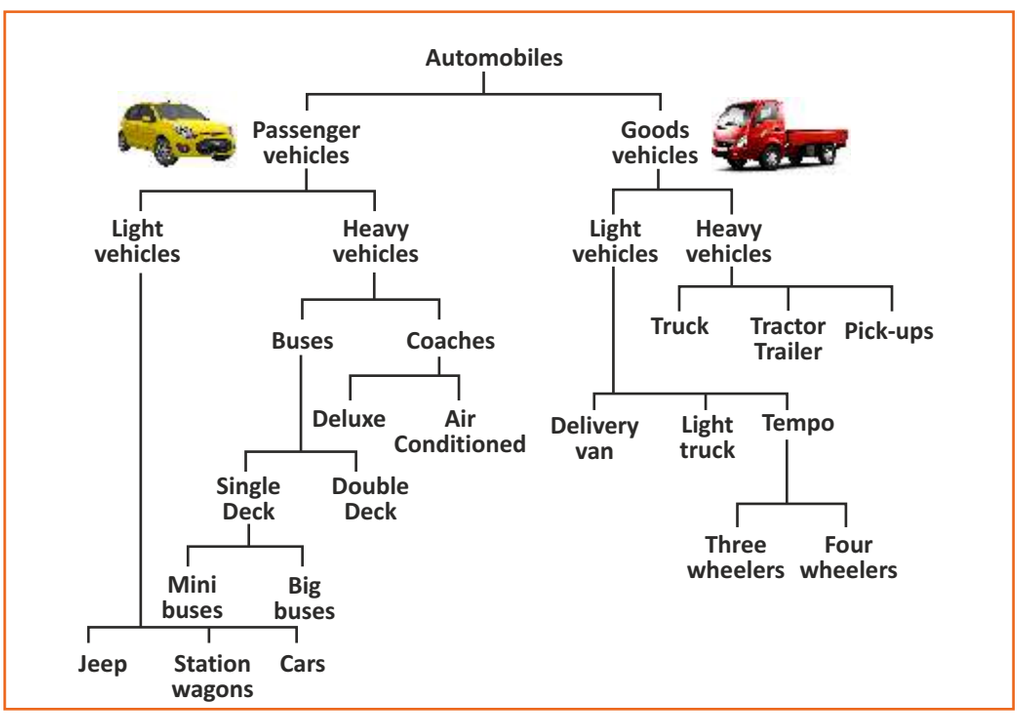
At the end of this unit, you will be able to:

- Classify automobiles according to their use and other conditions

1.2.1 Broad Classification of Automobiles

Automobiles can be widely classified into two categories – passenger vehicles and goods vehicles. While passenger vehicles are used to transport people, goods and materials of various kinds.

The chart below shows different types of automobiles.



Flow chart 1.2.1 Classification of vehicles According to what it carries

1.2.2 Other Classifications of Automobile

Automobiles can also be classified in various ways as given below:

1. Automobile Fuel Used

Vehicles can be grouped according to the fuel used and are mentioned below:

a. Petrol vehicle –Station wagons

b. Diesel vehicle –Trucks, Buses

c. Electric Vehicle – Electric Car,

d. CNG vehicle - Cars, Trucks and Buses