Preface deneral selection of A. I.

"Automobile" is a very complex and exhausitive subject. It was my urge to make it simple and easy, that inspired me to write this book. It would not be an exaggeration to say that in the book much has been expressed in too few words.

Complete information about automobiles has been provided through nearly 1000 questions and their brief but apt answers. A salient feature of the book is that besides providing theoretical knowledge on the subject, solutions to various common practical problems have also been discussed.

It is my sincere hope that the book will prove highly useful to the trainees of the Motor Mechanic, Diesel Mechanic and Tractor Mechanic trades as also to all those curious to acquire knowledge of this subject. The trainees can make use of the book during their training period and as a key to success during their examinations.

Finally, I would like to express my gratefulness to ASIAN PUBLISHERS and their associates who extended co-operation to the author as well as the readers by publishing this book.

Machine and Tools of Automobile Workshop ... gang

—Author

Contents

Chapters		Page
1.	Automobile: General Introduction and Safety Precautions	1—3
2.	Engine and its Working System	1 12
3.	Main Parts of Engine	14 10
4.	Cooling System	20-23
5.	Lubrication System	24-29
6.	Fuel System of Petrol Engine	20 20
7.	Fuel System of Diesel Engine	10 17
8.	Ignition System of Petrol Engines	48—54
9.	Brakes	55—61
10.	Clutch	62—66
11.	Gear Box	(7 70
12.	Universal Joint and Propeller Shaft	
	Rear Axle and Differential	
14.	Front Axle and Steering	77—81
15.	Chassis Frame and Suspension System	82-85
16.	Wheel and Tyre Tube	86-89
17.	Auto Electricity and Battery	90—93
18.	Dynamo and Alternator	94-97
19.	Self-Starter	98—100
20.	Machines and Tools of Automobile Workshop	101—102
21.	Formulae, Definitions and Miscellaneous	
	Questions Related to Automobile	103—104
22.	Objective Questions-Answers	105-132