



QUESTION PAPER DESIGN (Session 2022-23)

Subject	Automobile
Class	IX
Time	2Hrs. 30Minutes
Marks	60

1. Weightage to Objectives:

Objective	K	U	A+S	Total
Percentage of Marks	40%	30%	30%	100%
Marks	24	18	18	60

2. Weightage to form of Questions:

Forms of Question	E	SA	VSA/O	O	Total
No. of Questions	2	7	5	24	38
Marks per Question	5	3	1	1	-----
Marks Allotted	10	21	5	24	60
Estimated Time	50Min	45Min	15Min	40Min	150Min

3. Weightage to Content:

Sr No	Unit Name	Marks
1	History of Evolution of Automobile	04
2	Various Type of Automobile	08
3	Systems and Components of Automobile	12
4	Road Safety	10
5	Automobile and our Environment	04
6	Vehicle Maintenance and Servicing(Basic)	08
7	Innovation and Development in Automobile	04
8	Employability Skills	10
Total		60

4 Scheme of Sections: XXX

5 Scheme of Sections: Option of Internal Choice in essay type questions

6 Difficulty level: Difficult: 10% marks

Average: 50% Marks

Easy: 40% Marks

Abbreviations: K(Knowledge), U(Understanding), A(Application), S(Skill),

E(Essay type),SA(Short Answer Type),VSA(Very Short Answer Type),O(Objective Type)



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Objective	K	U	A+S	Total
Percentage of Marks	40%	30%	30%	100%
Marks	24	18	18	60

3 Weightage to form of Questions:

Forms of Question	E	SA	VSA/O	O	Total
No. of Questions	2	5	13	20	40
Marks per Question	6	3	1	1	-----
Marks Allotted	12	15	13	20	60
Estimated Time	40 Min	30 Min	28 Min	52 Min	150Min

3 Weightage to Content:

Sr No	Unit Name	Marks
1	Automobile and its Components	20
2	Automobile Service Tools	10
3	Vehicle Servicing	10
4	Customer Sales Care	05
5	Innovation and Development	05
6	Employability Skills	10
Total		60

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Objective	K	U	A+S	Total
Percentage of Marks	40%	30%	30%	100%
Marks	24	18	18	60

2 Weightage to form of Questions:

Forms of Question	E	SA	VSA/O	O	Total
No. of Questions	2	6	5	20	33
Marks per Question	6	3	2	1	-----
Marks Allotted	12	18	10	20	60
Estimated Time	40 Min	36 Min	22 Min	52 Min	150Min

3 Weightage to Content:

Sr No	Unit Name	Marks
1	Introduction to Engineering Geometrics and Drawing	06
2	Fasteners	05
3	Material	06
4	Measuring Equipment	06
5	Regular Maintenance	06
6	Regular Maintenance of Transmission system	04
7	Regular Maintenance of Gear Box	05
8	Servicing of Wheels	06
9	Maintenance of Brakes	06
10	Employability Skills	10
Total		60

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Average: **50%** Marks

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Class	XII
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Marks	60

1. Weightage to Objectives:

Objective	K	U	A+S	Total
Percentage of Marks	40%	30%	30%	100%
Marks	24	18	18	60

2. Weightage to form of Questions:

Forms of Question	E	SA	VSA/O	O	Total
No. of Questions	2	4	5	26	37
Marks per Question	6	3	2	1	-----
Marks Allotted	12	12	10	26	60
Estimated Time	40 Min	24 Min	21 Min	65 Min	150Min

3. Weightage to Content:

Sr No	Unit Name	Marks
1	Service Manual	05
2	Serviceability, Replacement or Repair of Engine Components	10
3	Transmission System	10
4	Suspension System	10
5	Auto Electrical	15
9	Employability Skills	10
Total		60

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