(Time: 3 Hours)

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N.	B.: (1) Question No. 1 is compulsory.	
	(2) Attempt any 3 questions out of 5 questions	8 67 25
	(3) Figures to the right indicates full marks	
	(4) Illustrate your answers with sketches wherever necessary.	
Q.1	Solve any four from remaining in six questions	
a)	Explain the functions of cooling system in automotive	20
b)	Write a note on Wheel alignment procedure 200 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	05
(c)	What are the types of vehicle maintenance carried over the types of the type of type of the type of the type of the type of type of the type of ty	05
d)	List a maintenance to be carried out for any 4 wheel or of a consoler	05
e)	materials are used for Drake shoe and fining and whote	05
f)	What is mean by Engine Tuning What is mean by Engine Tuning	05 05
Q.2		
a)	The state of the s	20
b)	Explain working of rear window deforger excton	10
c)	Explain various problems and their causes for U joints	06 04
Q.3		04
a)	Describe diagnosis of suspension and steering system	20
b)	List out causes and remedies for Differential noise	10
c)	What do you mean by symptom-based diagnosis	05
0.4		05
Q.4	Describe of the State of the St	20
a) b)	Describe diagnosis and servicing of engine lower end theory	10
U	Explain power steering system diagnosis and servicing in detail	10
Q.5		
a)	Explain the diagnosis and servicing of starting system	20
b)<	Explain the diagnosis and servicing of Fuel injection system	10 10
Q.6	Solve any four from remaining in six questions	10
a)	How to do the servicing of battery	20
b)	How Multimeter can be used for various testing in automobile systems	05
c)	Write a note on security and anti-theft devices	05
d)	What are functions of seat belt and air bags in automobile	05
e)	that our difference between transaxles and transmission	05
f) .	What do you mean by Clutch Juddering and dragging	05
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