

Code No.: 3145

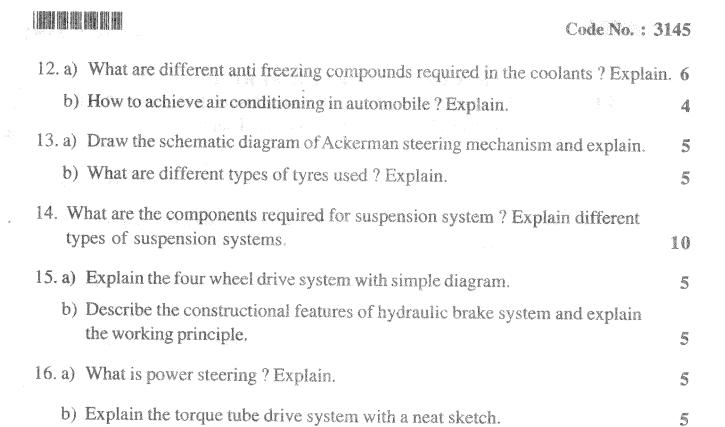
FACULTY OF ENGINEERING B.E. 4/4 (M/P) I Semester (Main) Examination, December 2010 AUTOMOBILE ENGINEERING (Elective - I)

Time: 3 Hours

[Max. Marks: 75

Note: Answer all questions from Part - A, answer any five questions from Part - B.

	PART – A	(25 Marks)
·· • • • • • • • • • • • • • • • • • •	How the homogeneous mixture of air-fuel is achieved in SI engine	
2.	Explain the functions of piston rings.	2
3.	Explain the power transmission system of automobile.	3
4.	Differentiate between wet sump and dry sump lubrication systems	
5.	Describe the working of solenoid switch for starting motor.	7.1948g k = 1
6.	What is wheel balancing?	To the state of th
7.	Explain the importance of Universal coupling in automobiles.	2
8.	Explain the principle of clutch.	2
9.	What is a catalytic converter? Explain.	To the state of th
10. 3	State the Bharat norms of air pollution.	3
	PART – B	(50 Marks)
11. a	a) Explain the schematic layout chasis and its components and dissalient features.	scuss the
b	b) Differentiate between mechanical and electronic fuel injection sy	13
(This p	paper contains 2 pages) 1	PTA



17. a) What are different sources of noise pollution in automobiles? How to

b) Explain the overhandling procedure of four wheel automobile.

5

5

5

control them?