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0	( <del>f</del> )	(e)	(d)	(c)	(b)	(a)	Attc		ime:3		(SEI		er ID	ollow	Printed
•	State various vehicles.	List out the m	What is the pu	What is the di	Draw P-v & T	State various t	Attempt <b>all</b> parts. All parts answer of each part in short.		hours]	AUTOMOI	M. VII) THEO		: 140702	Following Paper ID	Pages: 3
(1)	State various types of suspension used in Autovehicles.	List out the main components of the Engine	What is the purpose of crankshaft?	What is the difference in between CI & SI Engines?	Draw P-v & T-s diagram for Otto Cycle	State various types of brakes used in Auto-vehicles.	. 0	Section-A	T.	AUTOMOBILE ENGINEERING	(SEM. VII) THEORY EXAMINATION, 2015-16	в.тесн	Roll No.	and Roll No. to b Answer Book)	750
P.T.O.	on used in Auto-	the Engine.	1?	CI & SI Engines?	Cycle.	in Auto-vehicles.	carry equal marks. Write (2×10=20)	•	[Total Marks:100]	ING	ON, 2015-16			be filled in your	EME-702

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What is the purpose of spark plug?

 $\Xi$ What is power steering?

 $\Xi$ What is mechanical advantage?

What are the advantages & disadvantages of CNG?

## Section-B

Attempt any five questions from this section.  $(10 \times 5 = 50)$ 

diesel engine. Draw and explain valve timing diagram for four stroke

Explain the Ackerman steering mechanism with a neat sketch.

Explain the working of a Drum brake with the help of engines. Describe the water cooling system for automotive petrol

a neat sketch Describe the differential gear mechanism with the help

sketch Explain the function of master cylinder with a neat

2

**EME-702** 

# Describe MPFI system with the help of neat sketch.

ignition system with neat sketch? Describe the main components and working of Battery

9

### Section-C

Attempt any two questions from this section.  $(15 \times 2 = 30)$ 

- 10. What are the different types of maintenance done in automobiles? Explain briefly.
- Explain with the help of a neat sketch, a pneumatic brake system.
- Explain the working of a synchromesh gearbox with the help of neat sketch.

12.

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