Printed Pages: 3

Answer Books) Roll No.

(Following Paper ID and Roll No. to be filled in your NME-702

B.TECH

Regular Theory Examination (Odd Sem - VII), 2016-17 **AUTOMOBILE ENGINEERING**

Max. Marks: 100

Attempt all parts. Each question carries equal marks. (10×2=20)

Section - A

Define Gear Ratio?

What is an Automobile?

Define castor angle?

List application of Gear Mechanism?

Explain strength and stiffness? What is braking chain?

What is the main function Carburetor?

What is meaning of Euro I and Euro II?

What is function of Fuel Injector?

Explain fuel quality standards?

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Section - B

Attempt any 5 questions from this section (5×10=50)

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- Write general configuration of an automobile.
- c ভ Explain different types of mechanical brakes and Explain automatic transmission with neat sketches
- Explain types of starting motors and describe each

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describe each in brief.

application of the same. What is a catalytic converter? List advantages and

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- Explain differential gear mechanism of rear axle with
- Draw and explain the steering geometry in detail.
- Describe Akerman mechanism? In detail with neat sketches.

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Section - C

Attempt any 2 questions from this section(2×15=30)

Explain thermal expects related to braking system?

Explain the main parts of an automobile frame with a neat

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giving application of each. Explain different types of suspension system? In detail

engineering with neat sketches. Explain the provisions mode for lighting in automobile

Explain fuel of injector and fuel pump in detail with neat

norms in India. Also explain the environment management

Describe emission controls? Elaborate the commission

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