

No. of Printed Pages : 03

Roll No.

F-196

B. Tech. EXAMINATION, May 2017

(Sixth Semester)

(B. Scheme)

(Main & Re-appear)

AE

AE-312-B

TWO AND THREE WHEELERS

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(1-15/22) M-F-196

P.T.O.

Unit I

1. Explain the working of the Battery Coil Spark Ignition System used in motor cycles with the help of a circuit diagram.
2. Write notes on the following applicable to two wheelers :
 - (a) Fuel System
 - (b) Kick Starter System
 - (c) Merits and demerits of two stroke and four stroke SI engines.

Unit II

3. Explain the working of single and multiplate clutches with sketches.
4. Describe the front and rear suspensions systems for the three wheelers.

Unit III

5. With help of neat sketches compare drum brakes with disc brakes.

6. Discuss about the different types of tyres used in two and three wheelers.

Unit IV

7. Draw the layout of TVS mopeds and motorcycles and name their parts and their functions.
8. Draw the layout of auto rickshaw and delivery van and name their parts and their functions.