



AJEENKYA

D Y PATIL UNIVERSITY

EOT (December 2018)

School: School of Engineering.

Program: Automotive Product Engineering

Course: Chassis and Powertrain

Course Code: APE504

Semester: I **Max Marks:** 20

Duration (mins): 60mins

- Note: 1) Answers should be written in Answer Sheet Provided.
2) Figures to the right indicate full marks.
3) Neat diagrams must be drawn wherever necessary.
4) Use of only electronic pocket calculator is allowed.
5) Assume suitable data, if necessary.

Q1. Write notes on any 5 of the following:

- a. Chassis Modelling and Layout Preparation
- b. Final drive-Non Slip differential & Differential locks
- c. Types of locking arrangements
- d. Threaded Joints
- e. Hotchkiss drive, Universal Joints, Slip Joints
- f. Vibration consideration in Engine Bed design
- g. Chassis Modelling and Layout Preparation
- h. Types of Brakes-Materials used

(20)