**MGM’S College of Engineering, NANDED.**

**Department of Mechanical Engineering**

**QUESTION BANK FOR TEST-** **I**

ACADEMIC YEAR 2013-14, SEM – II

Class: B.E. (Mech.) Subject: A.E. Date:20/02/2014

Duration : 01 Hr. Max. Marks: 20

Q.1 Write in detail the major components of Automobile with neat sketch.

Q.2 Classify the automobile based on various attributes.

Q.3 Discuss the various Layouts of Automobile.

Q.4 Write a note on Fuel cell.

Q.5 Write a note on Electric Vehicles.

Q.6 Write a detailed note on Engine cylinder with neat sketch.

Q.7 Discuss cylinder head in detail, also discuss the various fitments on it.

Q.8 Write a note on Piston and Piston ring.

Q.9 With help of neat sketch explain function & working of a crank shaft.

Q.10 Write a note on valve and valve actuating mechanism.

Q.11 Write a note on Engine balancing.

Q.12 Discuss in detail Full pressure Lubrication system.

Q.13 Write a note on Dry sump Lubrication.

Q.14 Why Lubrication is needed in Engine? Discuss the desirable properties of a Lubricant.

Q.15 Write a note on Pressurized cooling system.

Q.16 Write a note on Radiator cap.

Q.17 Write a note on Thermostat.

**Subject Incharge**

**Mr. J. S. Sidhu**