



# Dnyaneshwar Vidyapeeth (Trust)

CENTRAL EXAMINATION BOARD

ASSIGNMENT OF AUTOMOBILE SYSTEM - 1

SUB -CODE- (AUT-G710)

COURSE:ADVANCED TECH-QUIC PROGRAM

SESSION - WINTER

ASSIGNMENT NO. 1 (Assignment Based on Topic No. 1, 2, 3 )

BRANCH - AUTO

Q.1 Answer the following ( Questions for 2 marks)

- 1) What is meant by carburetion?
- 2) Define fuel injection
- 3) Why air injection system is not used now a day?
- 4) Why ignition system is not necessary in C.I. engines?
- 5) Give advantages of electronic ignition system over conventional system.

Q.2 Answer the following ( Questions for 4 marks)

- 1) Explain electronic petrol fuel injection method with the help of neat sketch
- 2) Explain the working of battery ignition system with the help of neat sketch
- 3) Determine the velocity of injection in a single hole nozzle
- 4) Describe working of electronic ignition system with contact breaker
- 5) Describe distributor system of fuel injection

Q.3 Answer the following ( Questions for 8 marks)

- 1) Why multi cylinder engine requires richer mixture than single cylinder engine?
- 2) Describe common rail system with neat diagram
- 3) Describe the demerits of single hole nozzle over multihole nozzle  
What are the basic requirements of spark ignition system
- 4) Differentiate between battery ignition system and magneto ignition system
- 5) Describe acceleration pump system of a carburetor with the help of neat sketch
- 6) Why a rich mixture is required for maximum power?

GROWTH UNTO INFINITE