



Dnyaneshwar Vidyapeeth (Trust)

CENTRAL EXAMINATION BOARD

ASSIGNMENT OF AUTO ENGINES & CHASSIS-1

SUB -CODE- (AUT-G500)

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 valve-timing diagram?
- 2) What is the function of chassis?
- 3) What are the materials used for chains of vehicle?
- 4) What are advantages of rubber suspension?
- 5) Give advantages of air suspension.

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

- 1) Draw a sketch of I.C. Engine piston and name the various parts of the piston
- 2) Explain with Sketch the Back Bone frames.
- 3) Write short note on shock absorber.
- 4) What are the types of independent suspension?

Q.3 Answer the following (Questions for 4 marks)

- 1) Describe the concept of firing order in multi cylinder engine .
- 2) Draw a layout of chassis frame and show the location of different component on it.
- 3) Draw a layout of chassis and name the different components.
- 4) Explain the function of vibration damper with suitable sketch.

Q.4 Answer the following (Questions for 8 marks)

- 1) Draw a sketch of carburetor of any one type and explain its working.
- 2) Explain the working of splash type lubricating system.
- 3) Draw a sketch of mechanical governor of any one type and explain its working.
- 4) What is plastics suspension used in automobile vehicle.
