



Dnyaneshwar Vidyapeeth (Trust)

CENTRAL EXAMINATION BOARD

ASSIGNMENT OF MECHANICAL MEASUREMENT AND CONTROL

SUB -CODE- (MCH-G530)

COURSE: ADVANCED TECH-QUIC PROGRAM

SESSION - WINTER

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

BRANCH – MECH

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

- 1) Define Dynamic characteristics of instruments.
- 2) Define accuracy.
- 3) Define repeatability.
- 4) Define linearity.
- 5) Define Passive transducer
- 6) Write any four advantages of electric transducers.

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

- 1) Write down the major types of errors.
- 2) Differentiate between active & passive transducer
- 3) What are the different methods of measurement of pressure?

Q.3 Answer the following (Questions for 6 marks)

- 1) Explain with diagram Bellows
- 2) Explain the factors in detail on which selection of transducer depends.

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

- 1) Describe the method for measurement of flow using Venturimeters
- 2) Explain indirect level measurement with the help of electrical capacitance
- 3) Explain with diagram bonded & unbonded types of strain gauges.
- 4) What is X-Y recorder? How do you distinguish it from X-t recorder?

Q.5 Answer the following (Questions for 10 marks)

- 1) Describe the working of an Ultrasonic flow meter. List its advantages.
- 2) What are the types of measurement of velocity? Explain one of them

GROWTH UNTO INFINITE
