

# ELGI Placement Technical Test Questions

- Define Rupture
- When will centre of pressure be equal to centre of gravity?
- Explain critical pressure
- What will be the result if petrol is used in diesel engine?
  - a. Black smoke
  - b. Improper combustion
  - c. Lot of fuel
  - d. Higher knocking
- Choose from the below given option a popular firing sequence.
  - a. 1423
  - b. 1342
  - c. 1324
  - d. 1234
  - e. 1243
- When will the output of diesel engine increase?
  - a. Incoming air
  - b. When more fuel is utilised
  - c. By supercharging
  - d. Scavenging
  - e. Flywheel size
- What will be isothermal, isochoric, adiabatic and isobaric be under idyllic situation?
  - a. Dynamic
  - b. Stable
  - c. Thermodynamic
  - d. Static
  - e. Quasi – static
- Choose the correct alternative for 'reversible polytropic process'.

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- a. Entropy constant
- b. Density constant
- c. Temperature constant
- d. Volume constant
- e. Same heat transfer

- What is axial flow pump used in?
- Define Compressor performance curve.
- List the equilibrium conditions.
- What is the purpose of shock absorber?
- What is it called when a heat engine attains 100% efficiency?

- a. II law
- b. I law
- c. Zeroth law
- d. All

- What is reciprocating compressor used for?

- a. Large quantity of air at low pressure
- b. Low quantity of air at low pressure
- c. Large quantity of air at high pressure
- d. Low quantity of air at high pressure

- What is the reason behind vortex being on whirlpool?

- a. Wake
- b. Drag
- c. Cavitation

- What is the usage of reamer?

- What does statistical quality control chart use?

- a. Probability b. Statistics c. All of the above.