

INDEX NO : ..... Mineral Processing Methods.

**Part C**

01. a. Briefly discuss the significance of comminution theories related to mineral processing technologies [40 marks]  
b. Discuss the comminution equipment in the mineral processing industry using appropriate diagrams. [50 marks]  
c. Draw a flow sheet to produce 9000 tons of graphite powder annually with particle sizes between 60-300 microns. [10 marks]

02. Briefly explain **any four** of the following. Using diagrams if necessary [25 marks each]
- a. Value addition process of minerals
  - b. Difference between cone crusher and gyratory crusher
  - c. Types of tumbling mills
  - d. Types of feeders used in the mineral processing plant
  - e. Vibrating screens used in mineral processing industry

