

INDEX NO :

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Science and Technology
300 Level 1st Semester Examination –June/July 2017
MRT 317-2 Industrial Mineral Processing Technology



INDEX NO :

Part C

01. a. Why do you need a sampling method in mineral industry ? [20 Marks]
b. What are the sampling methods used in the mineral processing industry? Briefly describe them with aid of diagrams [40 marks]
c. State the Gaudin's method and Gy's method for sample calculations and compare their advantages and limitations. [40 Marks]

02. Briefly explain any four of the following. Use diagrams if necessary [25 marks each]
- a. Types of tumbling mills
 - b. Types of feeders used in the mineral processing plant
 - c. Difference between cone crusher and gyratory crusher
 - d. Meteorological balance in mineral processing industry
 - e. Hydro cyclone and its zones