

European Mining Course

2008

Industrial Minerals examination

Answer **two** questions

(Note: the total number of marks is 100, the proportion for each question is given in brackets)

1. Describe the main clay raw materials and compare their uses. Your answer should include details of the technical requirements for each use. (50%)

2. **Either:** Discuss the geological features of limestone which may affect its quarrying and the properties of processed products. (50%)

Or: Describe the raw materials for cement manufacture and discuss the factors relevant to the raw materials which need to be taken into consideration when planning a new cement plant. (50%)

3. For **Either** silica sand **or** feldspar, describe the various types of deposits, their extraction, processing and critical properties which control their suitability for use. (50%)

4. a. Explain how industrial minerals can be divided into groups according to their markets. (25%)

b. Discuss the factors which are likely to affect the markets for industrial minerals giving examples to illustrate your answer. (25%)