

Industrial Minerals Exam 2003

1. Describe shortly the following limestone based process. 20
 - a. Cement manufacturing

2. Following questions are handling the glass production:
 - a. 5 main components 2
 - b. 4 glass products 2
 - c. describe the Pilkington float glass process generally 5
 - d. Is glass a solid or a liquid? 1

3. describe the Solvay soda ash process principles by answering to the following questions:
 - a. What are the raw materials? 2
 - b. What are the main processing steps? 8
 - c. What is trona? 5

4. Following questions are handling the paper minerals:
 - a. Why are they used in paper production? 2
 - b. How are they used? 2
 - c. What mineral is the most used, and give an opinion on why? 6

5. What is wollastonite? 5

6. How bauxite is connected to abrasives? 10

7. Describe Ti sources for TiO₂ manufacturing. 10