

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

DEPARTMENT OF CHEMICAL ENGINEERING

B.Tech Degree Examination

Test II Examination October 2013

CH2001 CHEMICAL TECHNOLOGY

Time: 1 hour

Maximum Marks: 20

1. Describe the manufacture of soap along with its main by product, with the help of
 - a) Process Flow Diagram (3)
 - b) Brief description (2)
 - c) Chemical reactions (1)
2. Explain how Phosphoric Acid can be manufactured using conc. Hydrochloric Acid, with the help of
 - a) Process Flow Diagram (3)
 - b) Brief description (2)
 - c) Chemical reactions (1)
- ✓ 3. Explain the principle behind the manufacture of Potassium Chloride from Sylvinit. (2)
- ✓ 4. List out the chemical reactions involved in the manufacture of Monoammonium Phosphate and Diammonium phosphate using Ammonia and Phosphoric Acid. (2)
- ✓ 5. How are Calcium Phosphates classified? Give the chemical formula for each. (2)
- ✓ 6. List out the major industries in India for the manufacture of detergents. (2)