22. When reactive orthophosphoric acid is neutralized with a soda solution, a reactive salt is obtained:

A) monocalcium phosphate;
B) sodium dipolyphosphate;
C) sodium pyrophosphate;
D) monosodium phosphate;
E) dicalcium phosphate.

23. The main stages of the technology for the production of sodium phosphate monosubstituted two-water (monosodium phosphate two-water):

A) neutralization of extraction phosphoric acid with a soda solution → filtration → crystallization → centrifugation of the pulp → dissolution of crystals → recrystallization of the solution → packing;

B) neutralization of phosphoric acid with soda solution → evaporation of the solution → filtration → crystallization → centrifugation of the pulp → dissolution of crystals → recrystallization of the solution → packing;

C) neutralization of thermal phosphoric acid by brine → filtration → crystallization → pulp centrifugation → crystal dissolution → drying → packing;

D) neutralization of pyrophosphoric acid with caustic soda solution → filtration → crystallization → pulp centrifugation → crystal dissolution → evaporation → granulation → packing;

E) neutralization of sulfuric acid with soda solution → filtration → crystallization → pulp centrifugation → dissolution of crystals → recrystallization of the solution → packing of the finished product.

24. The production of disodium phosphate is based on:

A) neutralization of H_3PO_4 with soda;
C) neutralization of H_3PO_4 with ammonia;
C) neutralization of H_3PO_4 with sodium phosphate;
D) neutralization of HPO_4 with soda;
E) neutralization of $H_5P_3O_{10}$ with ammonia.

25. The main stages of the disodium phosphate production process:

A) neutralization → granulation → crushing → classification → packaging;
B) neutralization → drying → cooling → packing → packaging;
C) neutralization → filtration → drying → crushing → cooling → packaging;
D) grinding → evaporation → drying → packaging → consumption;
E) mixing → drying → crushing → packaging → finished product.

26. In the Na_2HPO_4 production technology uses the following concentration H_3PO_4 is applied:

A) 56%;
B) 30%;
C) 43%;
D) 25%;
E) 66%.

27. In the production of disodium phosphate, the neutralization of H_3PO_4 occurs at a temperature of:

A) 90-105 ºC;
B) 180-210 ºC;
C) 250-255 ºC;