

66. In the production of sulfuric acid by contact method, along with the main product, the following product is obtained:

- A) oleum;
- B) monohydrate;
- C) phosphoreum;
- D) semihydrate;
- E) crystalhydrate.

67. The concentration of oleum at the inlet and outlet of the oleum absorber is equal to:

- A) 95 – 95.5% H_2SO_4 ;
- B) 20 – 25% SO_3 free;
- C) 12 – 16% SO_3 free;
- D) 18.5 – 205% SO_3 free;
- E) 98.3 – 98.8% H_2SO_4 .

68. Concentration of SO_3 (free) in production oleum, %:

- A) not less than 18.5;
- B) not more than 16.5;
- C) less than 15.0;
- D) more than 13.8;
- E) more than 10.9.

69. By what method can oleum be obtained:

- A) contact;
- B) nitrous;
- C) sulfide;
- D) catalytic;
- E) sulfate.

70. In the production of contact sulfuric acid oleum absorber is irrigated with oleum with a concentration of free SO_3 , %:

- A) 40;
- B) 25-40;
- C) 19-24;
- D) 10-14;
- E) 12-15.

71. A valuable product contained in the firing gas of sulfuric acid production, used in photography, television, glass industry is:

- A) antimony;
- B) arsenic;
- C) tellurium;
- D) fluorine;
- E) selenium.

72. Before feeding the roasting gas of sulfuric acid production to the contact apparatus, it is necessary to remove from it exactly what impurities that are poisons for the catalyst:

- A) lead;
- B) selenium, tellurium;
- C) lead, zinc;
- D) arsenic, fluorine;
- E) antimony, arsenic.