

Coursework in discipline "**Materials of construction technology of inorganic substances**" on "Production of copper sulphate of copper oxide and sulfur dioxide"

Physicochemical bases of production of blue vitriol are considered, a flowsheet and its description, basic technological equipment and terms of his work is presented. The drawings of the technological scheme of the main unit have been presented.

Construction materials for technological equipment and apparatus have been chosen.

#### PRODUCTION OF BLUE VITRIOL, VITRAVNA TOWER

Housing expenditure towers are made of steel БСТ4сп, 12X18H10T. Cost tank is performed of БСТ4сп. Collection of mother liquor is made of СЧ18С15Г.

Centrifugal pumps are made of БпАО20-15. The pressure controller is made of steel 10X13H8Г. The tubular mold is made of X13H8Г2. The fans are made of steel 10X14П5. The tank for pulp is made of 08X13H9, СЧ18С15Г. For the manufacture of centrifuges 12X18H10T is used. Tube dryer is made of X13H8Г2. The steam heater is made of СЧ21X13H8. The discharge hopper is made of gray cast iron СЧ18.