

## **SUMMARY**

**course work in discipline**

**"Special metallurgy engineering"**

**student of FS-21**

**Palohy Roman Nikolaevich**

**on the topic "Manufacturing technology of casting parts" handle "method of casting for models that gasification"**

In the course work was submitted casting manufacturing technology details "Handle" method of casting for models that gasification.

Course work contained 19 pages of printed text and drawings of two A4. Explanatory note consists of an introduction, five chapters, conclusion.

In the introduction disclosed the essence of pouring electroslag casting metal, its sustainable use and prospects.

The first part is devoted to the explanatory note the characteristics of castings production methods this method. This part describes the different ways to manufacture castings.

The second part contains the main calculations. They include a calculation of mass casting, casting speed and duration, the number of polyester items gate system.

In the third part of the explanatory note presented technology of casting.

The fourth part deals with safety, labor and environment.

In the fifth section, the calculation of technical and economic indicators of technology, that indicate the efficiency of this method.

In conclusion to the course of these advantages and disadvantages of this method of casting that allow management to assess its use.

**Keywords:** STEEL 45, HANDLE, CASTING FOR MODELS THAT GASIFICATION ON ELECTRO-CASTING METAL, CALCULATION OF WEIGHT CASTING, TECHNOLOGICAL OPERATIONS, SAFETY, OCCUPATIONAL HEALTH, TECHNICAL AND ECONOMIC INDICATORS