

## Questions for the final work No. 2

1. Classification of materials. General characteristics of materials.
2. Composites. Modern materials.
3. Cast iron. General characteristics, types. Non-ferrous metals.
4. Corrosion and protective and decorative coatings.
5. Non-metallic materials. Concept, types. General characteristics.
6. Glass, characteristics of properties.
7. Polymeric materials. Concept, classification, application. Requirements for polymers used in medicine.
8. Elastomers. Rubber (natural and synthetic).
9. The main functions and significance of packaging.
10. Packing classification.
11. Container. Concept definition. Container classification. The difference between packaging and packaging.
12. Goods labeling (text, drawing, symbols). marking functions. Labeling requirements (general and specific). Trademark.
13. Types of containers in accordance with the purpose. Materials and commercial types of containers.
14. Requirements for consumer properties of containers and packaging materials.
15. Packaging materials. Types of packaging materials for medicines.

## Final test for control work No. 2

**1. Indicate which properties of materials are not studied in materials science:**

1. mechanical
2. chemical
3. technological
4. electrical
5. optical
6. **all properties are examined**

**2. The mechanical properties of materials include all of the following, except ...**

1. strength
2. **corrosion resistance**
3. hardness
4. elasticity

**3. Find the error. Materials of natural origin include:**

1. materials of animal origin
2. materials of plant origin
3. materials of volcanic or meteoric origin
4. **synthetic materials**

**4. Temporary protection against corrosion of materials is called ...**

1. insulated
2. enameling
3. electroplating
4. **conservation**

**5. Alloys are divided into ...**

1. **ferrous and non-ferrous metals**
2. simple and complex
3. red, white and yellow metals
4. hard and ductile metals

**6. Stainless steels contain ...**

1. iron + carbon
2. **iron + carbon + chromium**
3. iron + carbon + copper
4. iron + carbon + aluminum

**7. An artificial material based on inorganic glass obtained by complete or partially controlled crystallization is :**

1. fiberglass
2. ceramics
3. **sitall**

**8. Non-metallic materials include:**

1. plastics
2. ceramics
3. rubber
4. glass
5. tree
6. **all of the above are correct**

**9. The main component of medical glass...**

1. aluminum oxide
2. magnesium oxide
3. **silicon dioxide**
4. germanium oxide

**10. There is no requirement for rubber materials ...**

1. **hardness**
2. plasticity
3. strength

**11. Rubber tubes and tubular products are produced by the method:**

1. Pressing
2. molding
3. **extrusion**
4. boiling

**12. The class of thermoplastics includes:**

1. textolite
2. **polyethylene**
3. **polyvinyl chloride**
4. phenol

**5. polystyrene**

**13. A complex consisting of containers, auxiliary means, packaging and closure materials that determine the consumer and technological properties of the packaged product is called:**

- 1. Packing**
2. secondary packaging
3. container
4. shipping container
5. primary packaging

**14. A packaging element, which is a product or a container for placing products, is called:**

1. consumer packaging
2. secondary packaging
- 3. container**
4. shipping container

**15. Text, symbols or drawings applied to the product and / or its packaging, as well as other auxiliary means designed to identify the product and communicate to the consumer information about the manufacturer, date of manufacture of the product, quantitative and qualitative characteristics of the product, are:**

- 1. marking**
2. trademark
3. environmental signs
4. conformity mark