

4. Give the symbol for absolute alcohol, name some of the materials from which commercial alcohol is made, give an epitome of the process, with the means of determining the strength of the product.

5. Name the ingredients used in the preparation of Biniodide of Mercury, and state what chemical changes occur during its preparation.

6. Give the chemical composition in symbols of the following substances : Sulphuric acid, Nitric acid, Hydrochloric acid, Carbonic acid, Epsom salts and Cream of Tartar.

7. Describe in chemical symbols the changes which take place when a solution of Sulphate of zinc is mixed with one of Acetate of lead.

8. What is the difference in the composition of sulphates, sulphites, and sulphides ?

9. How is Chlorine prepared ? What are its properties ? Name some important substances of which it forms a component part.

10. What is meant by Chemical action or affinity ? Give some familiar examples of the exhibition of this force.

PHARMACY.

1. State the mode of preparation, doses and properties of Syr. Ferri Iod.

2. Name the ingredients contained in Lin. Camph. Co.

3. Name the principal preparations of Opium, and give their doses.

4. Why is it necessary to use distilled water in preparing a solution of Nitrate of Silver ?

5. Describe the mode of preparing Aromatic Sulphuric Acid, and name its properties and doses.

6. What antidotes would you seek to give in cases of poisoning by Oxalic acid, Corrosive sublimate, or Arsenic.

7. Give forms for the preparation of the following tinctures, giving their properties and doses.

Tinct. Aconiti Rad Tinct. Belladonnæ.

“ Digitalis “ Ergotæ

“ Hyoscyami “ Iodi.

8. Give mode of preparation and proportion of ingredients in Ung. Hydrarg, Pil. Hydrarg, and Hydrarg cum Creta.

9. What conditions are essential to successful percolation, and what are the advantages claimed for that process.

The student was also required to give the names of six preparations which were placed before him.

MATERIA MEDICA.

1. What is Benzoin, where and how is it obtained, what are its properties and uses, and into what preparations does it enter ?