

GENERAL AND INORGANIC CHEMISTRY

LABORATORY PRACTICE

Academic 2021/2022

LABORATORY PRACTICE № 1 – 4 hrs

GUIDELINES FOR SAFE LABORATORY PRACTICES. CHEMISTRY LABORATORY COMMON EQUIPMENT. BASIC TERMS USED IN CHEMISTRY. CHEMICAL NOMENCLATURE. DENSITY OF LIQUIDS AND SOLIDS

LABORATORY PRACTICE № 2 – 4 hrs

PREPARATION OF AQUEOUS SOLUTIONS

LABORATORY PRACTICE № 3 – 4 hrs

CLASSICAL CHEMISTRY EXPERIMENTS

LABORATORY PRACTICE № 4 – 4 hrs

CHEMICAL KINETICS AND CHEMICAL EQUILIBRIUM

LABORATORY PRACTICE № 5 – 4 hrs

ELECTROLYTIC DISSOCIATION. ELECTROLYSIS AND HYDROLYSIS

LABORATORY PRACTICE № 6 – 4 hrs

SELF-IONIZATION OF WATER. pH AND BUFFER SOLUTIONS

LABORATORY PRACTICE № 7 – 4 hrs

COORDINATION COMPOUNDS

LABORATORY PRACTICE № 8 – 4 hrs

ALKALI AND ALKALINE EARTH ELEMENTS

LABORATORY PRACTICE № 9 – 4 hrs

ELEMENTS OF GROUPS 13 AND 14

LABORATORY PRACTICE № 10 – 4 hrs

ELEMENTS OF GROUPS 5, 6, AND 7: VANADIUM, CHROMIUM, AND MANGANESE

LABORATORY PRACTICE № 11 – 4 hrs

GROUP 11 ELEMENTS. (COPPER AND SILVER)

LABORATORY PRACTICE № 12 – 4 hrs

GROUPS 8, 9 AND 10 ELEMENTS: IRON, COBALT, AND NICKEL

LABORATORY PRACTICE № 13 – 4 hrs

ELEMENTS OF GROUPS 11 AND 12: COPPER AND ZINC

LABORATORY PRACTICE № 14 – 4 hrs

PREPARATION OF INORGANIC COMPOUNDS OF PHARMACEUTICAL INTEREST (PART II)

LABORATORY PRACTICE № 15 – 4 hrs

PREPARATION OF INORGANIC COMPOUNDS OF PHARMACEUTICAL INTEREST (PART II)

Head of Department:

(Assoc. Prof. Kiril Gavazov, PhD)

08.09.2021