

CHEMISTRY SYLABUS FOR MEDICAL STUDENT

I. INORGANIC CHEMISTRY

1. STRUCTURE OF THE ATOM.
2. CHEMICAL BOND.
3. REDOX PROCESSES.
4. ELECTROLYSIS.
5. OXIDES - BASIC, ACID AND AMPHOTERIC OXIDES.
6. HYDROXIDES AND OXOACIDS.
7. SALTS.
8. COMPLEX COMPOUNDS.
9. RATES OF CHEMICAL REACTIONS.
10. CATALYSIS.
11. CHEMICAL EQUILIBRIUM.
12. SOLUTIONS.
13. COLLOID-DISPERSED SYSTEMS.
14. THEORY OF ELECTROLYTIC DISSOCIATION.
15. ACIDS, BASES AND SALTS.

II. ORGANIC CHEMISTRY

16. THEORY OF THE STRUCTURE OF CHEMICAL COMPOUNDS. STRUCTURAL THEORY.
17. HYDROCARBONS. ALKANES, ALKENES, ALKYNES.
18. ARENES.
19. HALOGEN DERIVATIVES OF HYDROCARBONS.
20. HYDROXYL DERIVATIVES OF HYDROCARBONS. ALCOHOLS AND PHENOLS.
21. AMINES.
22. CARBONYL DERIVATIVES OF HYDROCARBONS. ALDEHYDES AND KETONES.
23. CARBOXYLIC ACIDS.
24. FUNCTIONAL DERIVATIVES OF CARBOXYLIC ACIDS - ACID HALIDES, ANHYDRIDES, ESTERS AND AMIDES.
25. AMINOCARBOXYLIC ACIDS.
26. CARBOHYDRATES.