



# ФАРМАЦЕВТИЧЕН ФАКУЛТЕТ МЕДИЦИНСКИ УНИВЕРСИТЕТ - СОФИЯ

## КАТЕДРА ПО ФАРМАЦЕВТИЧНА ХИМИЯ

ул. Дунав №2, 1000 София; Тел./Факс: 02 9236 505; e-mail: azlatkov@pharmfac.mu-sofia.bg

Approved by Protokol of Department  
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### State exam syllabus for state exam in Pharmaceutical chemistry and pharmaceutical analysis

1. Sedative and hypnotic drugs, anxiolytics.
2. Anticonvulsant (Antiepileptic) and Antiparkinson drugs.
3. Antipsychotic and Antidepressant drugs.
4. Psychostimulant and nootropic drugs.
5. Opioid analgesic (narcotic analgesic) and nonnarcotic analgesic drugs.
6. Non-steroidal anti-inflammatory drugs (NSAID).
7. Drugs affecting the parasympathetic autonomic nervous system.
8. Drugs affecting the sympathetic autonomic nervous system.
9. Skeletal muscle relaxants and anesthetics.
10. Antihistamines and antiulcer drugs.
11. Beta-blockers (P- blockers), Antiarrhythmic and Anti-anginal drugs.
12. Calcium channel blockers and ACE inhibitors.
13. Hypolipidemic drugs, Coagulant and Anticoagulant drugs.
14. Diuretic drugs.
15. Antibacterial Sulfonamide drugs and Antituberculosis drugs.
16. Antibacterial drugs: Imidazoles, nitrofurans, quinolines, quinolones and naphthyridines
17. Antineoplastic drugs (anticancer drugs).
18. Antibiotics, P-lactams.
19. Tetracycline, Macrolide, Lincomycin and Aminoglycoside antibiotics.
20. Antiviral drugs.
21. Steroids: anti-inflammatory, antiasthma drugs and drugs with application in dermatology.
22. Sex hormones and derivatives, anabolic, oral contraceptives and antidiabetic drugs.
23. Drug metabolism.
24. Chromatographic methods for analysis.
25. Spectral methods for analysis.

**Knowledge required:** Chemical and pharmacological classification, pharmacological characterization of the group of drugs, INN names, chemical structures and chemical names, synthesis, physical and chemical properties, metabolism, relation chemical structure / biological activity.

Head of Department **СОФИЯ**  
(*prof. Alexander Zlatkov, DSc*)  
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