

**BHARATI VIDYAPEETH
(DEEMED TO BE UNIVERSITY), PUNE, INDIA
PhD Entrance Test – 2020**

SECTION-II: Medical Pharmacology - 50 Marks

1. General Pharmacology- pharmacokinetics, pharmacodynamics, ADRs & pharmacovigilance, new drug development, evaluation of drugs in animals
2. Autonomic nervous system- Adrenergic & anti-adrenergics; Cholinergics & anti-cholinergics; Skeletal muscle relaxants
3. Autacoids- Histamine & antihistaminics; 5HT & migraine; PGs and NSAIDs; Anti-rheumatoid & anti-gout agents
4. Respiratory system- Treatment of cough & Asthma
5. Endocrine system- Pituitary; Thyroid & anti-thyroid drugs; Anti diabetic drugs; Corticosteroids; Sex hormones; Oxytocin; Drugs affecting calcium.
6. Central nervous system- Anaesthetics- GA & LA; Alcohol; Sedative-hypnotics; Antiepileptics; Antiparkinsonian drugs; Drugs in mental illness; Opioids
7. Cardiovascular- Treatment of CHF, Angina & MI; Anti- arrhythmic; Diuretics & anti-diuretics
8. Blood & blood formation- Haematinics; Drugs affecting bleeding & thrombosis; Hypolipidaemics
9. GIT- Peptic ulcer; Anti-emetics; drugs for constipation & diarrhea
10. Anti microbials- General concepts; Individual AMAs; treatment of Tb, leprosy, Malaria, Fungal / viral infections, amoebiasis, helminthiasis; Cancer chemotherapy
11. Miscellaneous- Drugs acting on Immune system; Drugs acting on Skin & mucous membrane; Chelating agents; Vitamins; Drug interactions