

GCC DHA SYLLABUS

1. ANS
2. CVS
3. HORMONES
4. CNS
5. ANTIBIOTICS
6. CALCULATIONS
7. RESPIRATORY SYSTEM
8. GIT
9. AUTOCLOIDS
10. MISCELLANEOUS TOPICS:
 - a. IMMUNOSUPPRESSANTS
 - b. OSTEOPOROSIS
 - c. VITAMINS
 - d. ALCOHOL
11. BASIC BIOCHEMICAL SCIENCE:
 - a. AMINO ACIDS
 - b. NUCLEIC ACIDS
 - c. IMMUNOLOGY
 - d. MICROBIOLOGY
 - e. VACCINES
 - f. STATISTICS
12. PHARMACEUTICAL SCIENCES
 - a. PHARMACEUTICS
 - b. MEDICINAL CHEMISTRY
 - c. ANALYSIS
 - d. COGNOSY
13. SOCIAL, BEHAVIOURAL & ADMINISTRATIVE SCIENCES
14. CLINICAL SCIENCES
15. PHARMACY LAW

GCC DHA SYLLABUS 2

- I. PHARMACEUTICAL SCIENCES (35%)
 - a. PHARMACOLOGY

- b. TOXICOLOGY
 - c. NATURAL PRODUCTS & DIETARY SUPPLEMENTS
 - d. PHARMACEUTICS & BIOPHARMACEUTICS
 - e. MEDICINAL CHEMISTRY
- II. BASIC BIOMEDICAL SCIENCES (10%)
 - a. BIOCHEMISTRY
 - b. MICROBIOLOGY
 - c. IMMUNOLOGY & VACCINATION
- III. SOCIAL, BEHAVIOURAL, ADMINISTRATIVE SERVICES (20%)
 - a. PHARMACY LAW
 - b. ETHICAL DECISION MAKING
 - c. PHARMACOECONOMICS
 - d. DRUG INFORMATION RESOURCES
 - e. PHARMACOEPIDEMOLOGY, BIostatISTICS, POPULATION BASED CARE
 - f. COMMUNICATION SKILL
 - g. HEALTHCARE DELIVERY SYSTEM
- IV. CLINICAL SERVICES (35%)
 - a. PHARMACOGENOMICS
 - b. PHARMACOTHERAPEUTICS
 - c. PHARMACEUTICAL CALCULATIONS

Pillar	Exam Weight	Core Topics	Mastery Levels
Pharmaceutical Foundations Drug knowledge foundation	35%	Autonomic Nervous System, Cardiovascular System, Central Nervous System, Gastrointestinal Tract, Respiratory System, Hormones, Antibiotics, Autocoids, Toxicology, Natural Products, Dietary Supplements, Pharmaceutics, Biopharmaceutics, Medicinal Chemistry, Pharmaceutical Analysis, Pharmacognosy	Know: Drug mechanisms Apply: Dosage forms Analyze: Drug stability
Basic Biomedical Sciences Body-drug interactions	10%	Biochemistry (Amino Acids, Nucleic Acids), Microbiology, Immunology, Vaccines, Biostatistics	Know: Metabolic pathways Apply: Lab diagnostics Analyze: Statistical data
Social Behavioural Administrative	20%	Pharmacy Law, Ethics, Ethical Decision Making, Pharmacoeconomics, Drug Information Resources,	Know: Legal requirements

Pillar	Exam Weight	Core Topics	Mastery Levels
Practice Real-world pharmacy operations		Pharmacoepidemiology, Population Based Care, Communication Skills, Healthcare Delivery Systems	Apply: Patient counseling Analyze: Economic decisions
Clinical Pharmacy Services Patient care excellence	35%	Pharmacogenomics, Pharmacotherapeutics, Pharmaceutical Calculations, Immunosuppressants, Osteoporosis Management, Clinical Pharmacy Practice	Know: Treatment guidelines Apply: Dose calculations Analyze: Adverse reactions