

uses
- enter in
- process
- under
- section

General Table of Specifications (ToS) for Revised Scheme Part-1

Sr. No.	Subject/Topics/Sub-topics	No. of SEQs	No. of MCQs
Anatomy		02	20
1.	Bones and Cartilages	01	10
	• Osteology		
	• Functions of bones		
	• Classification of bones		
	• Parts of a developing long bone		
	• Blood supply of bones		
	• Lymphatic vessels		
	• Nerve supply		
	• Cartilage		
2.	The Muscle	01	10
	• Introduction		
	• Classification		
	• Functions of muscles in general		
	• Classification of skeletal muscle		
	• Parts of skeletal muscle		
Physiology		02	20
1.	Cell Physiology	01	10
	• Cell membranes and their composition		
	• Transport across cell membranes and Characteristics of different types of		

	transport		
	<ul style="list-style-type: none"> • Comparison of skeletal, smooth and cardiac muscles 		
2.	Cardiovascular Physiology	01	10
	<ul style="list-style-type: none"> • Circuitry of cardiovascular system 		
	<ul style="list-style-type: none"> • Cardiac electrophysiology 		
	<ul style="list-style-type: none"> • Cardiac cycle 		
Pathology		02	20
1.	Cell Injury and adaptation	01	05
	<ul style="list-style-type: none"> • Necrosis and Types of Necrosis 		
	<ul style="list-style-type: none"> • Comparison of Necrosis and Apoptosis 		
2.	Inflammation		05
	<ul style="list-style-type: none"> • Outcome of acute inflammation 		
	<ul style="list-style-type: none"> • Chronic inflammation and its two major patterns 		
3.	Hemodynamic disorders	01	05
	<ul style="list-style-type: none"> • Shock, its causes, types, stages and morphologic manifestations 		
4.	Immunity and Hypersensitivity	05	
	<ul style="list-style-type: none"> • Mechanisms of Immune Injury and Types of Hypersensitivity Reactions 		
Pharmacology		01	15
1.	Pharmacokinetics	01	08
	<ul style="list-style-type: none"> • Overview 		
	<ul style="list-style-type: none"> • Routes of drug administration 		
	<ul style="list-style-type: none"> • Absorption of drugs 		
	<ul style="list-style-type: none"> • Drug distribution 		

	<ul style="list-style-type: none"> • Drug clearance through metabolism 		07
	<ul style="list-style-type: none"> • Drug clearance by the kidney 		
	<ul style="list-style-type: none"> • Clearance by other routes 		
2.	Drug-Receptor Interactions and Pharmacodynamics		
	<ul style="list-style-type: none"> • Overview 		
	<ul style="list-style-type: none"> • Signal transduction 		
	<ul style="list-style-type: none"> • Dose response relationships 		
	<ul style="list-style-type: none"> • Agonists 		
	<ul style="list-style-type: none"> • Antagonists 		
	<ul style="list-style-type: none"> • Quantal dose response relationships 		
Biochemistry		01	15
1.	Vitamins	01	10
	<ul style="list-style-type: none"> • Classification 		
	1. Fat-Soluble Vitamins (Vitamin A,D,E & K) sources, absorption, functions, deficiency and toxicity		
	2. Water-Soluble Vitamins (Vitamin C & B-Complex) sources, absorption, functions, deficiency and toxicity		
2.	Minerals		05
	<ul style="list-style-type: none"> • Sources of iron, copper, calcium, phosphorous, sulfur, and Iodine 		
	<ul style="list-style-type: none"> • Absorption, functions, deficiency and toxicity of minerals 		
Biostatistics & Research Methodology		01	05
1.	Introduction to research	01	-
2.	Advantages of research		-
3.	Steps in designing and conducting research		01 ✓

4.	Criteria for selecting a research topic		01
5.	Structure of research protocol/synopsis		01
6.	Structure of research article		01 ✓
7.	Ethical principles in health research		01 ✓
Behavioral Sciences		01	05
1.	Communication skills	01	
2.	Counseling		01
3.	Informational care		01
4.	Crisis intervention/disaster management		
5.	Conflict resolution		01
6.	Breaking the bad news		
7.	Four pillars of medical ethics (autonomy, beneficence, non-maleficence and justice)		01
8.	Informed consent		
9.	Rights and responsibilities of patients		
10.	Reaction of the patient to illness and hospitalization		01
11.	Stress and its management		