

Paper-A (Foundation and Blood module)

Subject	Foundation		Blood		Total
	No. of MCQs	Topics from where Qs to be made	No. of MCQs	Topics from where Qs to be made	
Gross Anatomy	12	<ol style="list-style-type: none"> 1. Anatomy & its sub branches 2. Cell structure and its Organelles 3. Nuclear structure & components 4. Cell division 5. Mitosis 6. Meiosis 7. Organization of human body 8. Anatomical terms 9. Classification of Bones 10. Cartilage 11. Introduction to Joints 12. Muscles 13. Skin / Integumentary system 14. Skin (dermis & epidermis) Skin creases, Nails, Hairs, Glands (Sebaceous & sweat) 15. Lymphatic system 16. Lymphatic system composition (lymph vessels, lymphatic tissue), Movement of lymph 17. Nervous system 18. Divisions (central & peripheral and somatic & autonomic), Cranial & spinal nerves, Dermatomes & Myotome Formation of a spinal nerve, Plexus 19. Autonomic Nervous system Sympathetic. parasympathetic nervous system 20. Membranes 21. Mucous membranes Serous membranes 	1	<ol style="list-style-type: none"> 1. Introduction to hematopoietic system 2. Gross anatomy of hematopoietic system 3. Embryology/ Developmental Anatomy of lymphoid tissue 	13
Histology	10	<ol style="list-style-type: none"> 1. Basic Body tissue 2. Definition of tissue 3. Epithelial tissue 4. Connective tissue 5. Epithelial tissues 6. Classification of epithelium 7. General characteristics and Functions of epithelium 8. Glandular Epithelium 9. Epithelial Cell Surface Specialization 10. Structure & Function Of Basement Membrane 11. Connective tissue 	4	<ol style="list-style-type: none"> 1. Histology of lymphoid tissues 	14

Embryology	15	<ol style="list-style-type: none"> 1. Introduction To Embryology 2. Spermato-Genesis 3. Oogenesis 4. Transport Of Gametes 5. Female reproductive cycle 6. Fertilization –Events 7. Fertilization –Clinical Correlates Cleavage & Blastocyst Formation 8. Implantation & Its Abnormalities 9. Amniotic cavity 10. Events Of 2nd Week Of Development 11. Events of 3rd Week Of Development 	0		15
Physiology	10	<ol style="list-style-type: none"> 1. Physiology and its sub branches 2. Cell membrane physiology 3. Homeostasis 4. Membrane potential 5. Movements of cell 6. Depolarization & Repolarization 	22	<ol style="list-style-type: none"> 1. Introduction to Blood 2. Red Blood Cells 3. Red Blood Cells Genesis Erythropoiesis 4. Erythropoitin 5. Anemia 6. Polycythemia 7. White Blood Cells 8. Reticulo-endothelial (Monocyte-Macrophage) system 9. Inflammation 10. Abnormal leukocyte counts/ Leukemia 11. Introduction to immunity 12. Immune system 13. Immune response 14. Humoral and cell mediated immunity 15. Complement system 16. Immunity: extremes of ages 17. Allergy & Hypersensitivity 18. Introduction to hemostasis 19. Blood Coagulation 20. Bleeding disorders 21. Thrombotic disorders 22. Blood Grouping 23. transfusion reactions 24. Erythroblastosis fetalis 25. Major histocompatibility complex 	32
Biochemistry	14	<ol style="list-style-type: none"> 1. Cell 2. Physio chemical topics 3. Chemistry of carbohydrates 4. Nucleotides and Nucleic acids 	12	<ol style="list-style-type: none"> 1. Hemoglobin (Formation of Heme, Porphyrias, Heme degradation.) 2. Thalassemia 3. Hemoglobinopathies 4. Immunoglobulins 5. Water soluble vitamins 	26

Pathology	2	<ol style="list-style-type: none"> 1. Introduction to pathology and its implication in medicine 2. Cell injury 3. Necrosis 	4	<ol style="list-style-type: none"> 1. Anemia's of diminished erythropoiesis 2. Hemolytic anemia's 	6
Pharmacology	1	<ol style="list-style-type: none"> 1. Introduction to pharmacology and its role in modern medicine 2. Routes of administration of drugs 3. Transmembrane Drug Transport 4. Receptor and cellular basis 	1	<ol style="list-style-type: none"> 1. Drug treatment of anemia's 2. Coagulation modifying drug 	2
Community medicine	1	<ol style="list-style-type: none"> 1. Introduction to community Medicine and its implication 2. Determinants of health 3. Disease causation 4. Chain of infection 5. Levels of prevention 	2	<ol style="list-style-type: none"> 1. Epidemiology of blood borne diseases 2. Vaccinology 	3
Forensic medicine	0		1	<ol style="list-style-type: none"> 1. Medico-legal importance of blood groups 	1
PRIME	5	<ol style="list-style-type: none"> 1. Introduction to professionalism, and its attributes 2. Introduction to Bioethics; Describe different types, and components of Bio ethics 3. Bio-Psycho-Social model of health care 4. Importance of behavioral sciences in health. 5. Attitudes in health professionals, and factors affecting them. 6. Definition of attention and concentration, and factors affecting them 7. Definition of personality, and factors affecting them 8. Introduction to research, its purpose and background 9. Different types of research 10. Differences between leadership and management 	3	<ol style="list-style-type: none"> 1. Definition of motivation & its types 2. Stress and its management 3. Coping skills and Defence mechanism 	8
Total	70		50		120

* distribution of MCQs are based on a ratio of 1.7:1 (158:93) between 2 modules