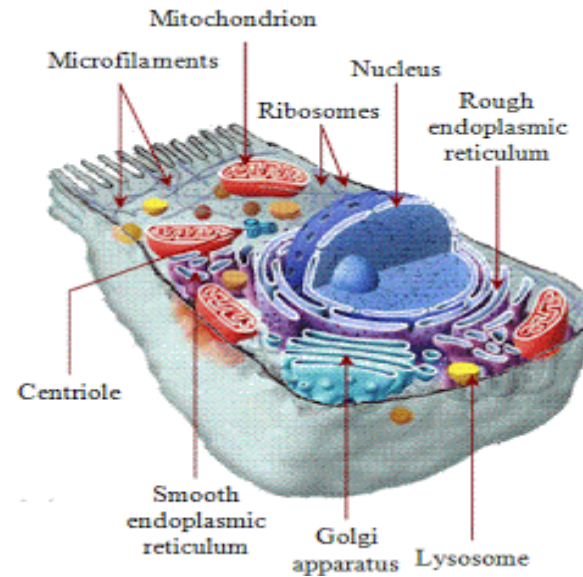




**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE
FOUNDATION MODULE**

FIRST PROFESSIONAL M.B.B.S.

2022-2023



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

51-Deh Tor, Gadap Road, Super Highway. P.O Box: 2407, Karachi-75340, Pakistan.

Prepared by
Mrs. Nida Lathiya
Study Guide Coordinator for First Prof. M.B.B.S.
Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

(092-21)34410-293 to 298, 34410-427 to 430

Fax: (092-21)34410-317, 34410-431

Email: info@baqai.edu.pk, Web: www.baqai.edu.pk/

Contents

List of Abbreviations	3
Modular Committee	6
Teaching Faculty.....	Error! Bookmark not defined.
Introduction:.....	7
Distribution of Teaching Activities	Error! Bookmark not defined.
Learning Objectives:.....	Error! Bookmark not defined.
Module Learning Outcomes:	Error! Bookmark not defined.
Specific Learning Objectives	Error! Bookmark not defined.
Distribution and Duration* of Teaching Activities Amongst Different Disciplines.....	62
Weekly Time Tables:.....	Error! Bookmark not defined.
Week 1:.....	Error! Bookmark not defined.
Week 2:.....	Error! Bookmark not defined.
Week 3:.....	Error! Bookmark not defined.
Week 4:.....	Error! Bookmark not defined.
Learning Resources:.....	Error! Bookmark not defined.

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

Assessment:.....**Error! Bookmark not defined.**
MCQs..... **Error! Bookmark not defined.**
SEQs **Error! Bookmark not defined.**
OSCE **Error! Bookmark not defined.**

LIST OF ABBREVIATIONS

Ana-Lect	Anatomy Lecture	CBL	Case Based Learning
DSL	Directed Self Learning	SDL	Self-directed learning
SGD	Small Group Discussion	DSL	Directed Self learner
PW	Practical Work	OSCE	Objective Structured Clinical Examination
MCQ	Multiple Choice Question	Phy-Lect	Physiology Lecture
BMU	Baqai Medical University	Bio-Lect	Biochemistry Lecture
BMC	Baqai Medical College	PEaRLS	Professionalism, Ethics, Research, Leadership, Communication Skills.

Prepared by
Mrs. Nida Lathiya
Study Guide Coordinator for First Prof. M.B.B.S.
Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

LGIF	Large group interactive format	SGIF	Short group interactive format
TS	Teaching strategy		

BAQAI MEDICAL UNIVERSITY VISION STATEMENT

To evolve as a nucleus for higher learning with a resolution to be socially accountable, focused on producing accomplished health care professionals for services in all spheres of life at the national and global level.

BAQAI MEDICAL UNIVERSITY MISSION STATEMENT

University is dedicated to the growth of competencies in its potential graduates through dissemination of knowledge for patient care, innovation in scholarship, origination of leadership skills, and use of technological advancements and providing.

BAQAI MEDICAL COLLEGE MISSION STATEMENT

The mission of the Baqai medical college is to produce medical graduates, who are accomplished and responsible individuals and have skills for problem solving, clinical judgment, research & leadership for medical practice at the international level and are also aware of the health problems of the less privileged rural and urban population of Pakistan.

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

OUTCOMES OF THE MBBS PROGRAM

By the end of five years MBBS program, The Baqai Medical College graduate will be able to:

- Write and report focused history, perform physical examination, formulate a diagnosis and management plan for common health problems.
- Utilize knowledge of basic and clinical sciences for patient care.
- Apply evidence-based practices for protecting, maintaining, and promoting the health of individuals, families and community.
- Identify problems, critically review literature, conduct research and disseminate knowledge.
- Lead other team members as per situational needs for quality health service.
- Acquire professional behaviors that embodies lifelong learning, altruism, empathy and cultural sensitivity in provision health care service.

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

**FOUNDATION MODULE
First Professional M.B.B.S. 2022-2023**

MODULAR PLANNING COMMITTEE

Prof. Dr. Jameel Ahmed (Medicine)	Chairman Curriculum Committee
Prof. Dr. Syed Inayat Ali (Anatomy)	Chairman Modular Committee
Dr. Syed Adnan Ahmed (Physiology)	Co-Chairman Modular Committee
Dr. Benish Zafar (Biochemistry)	Secretary Modular Committee
Prof. Dr. Nazia Jameel (Community Medicine)	Member
Dr. Maeesa Sajeel (Pathology)	Member

Prepared by
Mrs. Nida Lathiya
Study Guide Coordinator for First Prof. M.B.B.S.
Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

Dr.Hina Masood (Pharmacology)	Member
Dr. Rafay Ahmed Siddiqui (Forensic Medicine)	Member
Dr. Sidra (Surgery)	Member
Dr. Mariam (Medicine)	Member
Department of Medical Education	All Members

INTRODUCTION:

The Foundation Module is the first module of our Integrated Modular Curriculum for MBBS program. It will give an introduction and awareness about the curriculum in general along with the teaching and learning environment. This module includes basic anatomical, physiological and biochemical concepts about the human body and its development and is linked with different clinical aspects related to these basic concepts. It also includes the basis of research and orientation about the clinical sciences. The curriculum will be delivered in the form of interactive large and small group formats including lectures, SGDs, practical and DSL.

Duration	5 weeks (5 + 1 day)
Dates	From 21-02-2022 to 25-03-2022

Prepared by
Mrs. Nida Lathiya
Study Guide Coordinator for First Prof. M.B.B.S.
Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Placement in Course	1st Module
EOA (End of module Assessment)	28-03-2022

LEARNING OBJECTIVES

WEEK 1

ANATOMY						
PLANES AND POSITION OF THE BODY						
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator	

Prepared by
Mrs. Nida Lathiya
Study Guide Coordinator for First Prof. M.B.B.S.
Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Identify and utilize anatomical positions, planes and directional terms. Demonstrate what anatomical position is and how it is used with reference to the body. Distinguish between the commonly used anatomical planes. Apply directional terms to their location in the body 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Tayyaba Kazmi / Dr. Misha Mustaque
MOVEMENTS OF THE BODY					
Learning Objectives					
<ul style="list-style-type: none"> Understand the various movements of the body and their counter movements. Compare and contrast the various movements of foot/ ankle and their counter movements. Compare and contrast the lateral movements of wrist/ hand and their counter movements. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Tayyaba Kazmi / Dr. Misha Mustaque
<ul style="list-style-type: none"> Demonstration of different body movements 	SGT	120 minutes	LRC	MCQs, SEQs, OSPE	
CLASSIFICATION OF BONES					
Learning Objectives					
<ul style="list-style-type: none"> Classify the bones according to their shapes. Describe the function of each category of bone. Identify the anatomical features of the bones. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Tayyaba Kazmi / Dr. Misha Mustaque

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Recognize bones of different regions. 					
CLASSIFICATION OF JOINTS					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> Describe the three structural categories of joints. Able to identify the types of joints. Differentiate between the categories of joints. Recognize the important characteristic features of synovial joints. 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Tayyaba Kazmi / Dr. Misha Mustaque
CLASSIFICATION OF MUSCLES					
Learning Objectives					
<ul style="list-style-type: none"> Identify the three types of muscle tissue. Compare and contrast the function of each muscle tissue type. Classify the skeletal muscle according to their shape and their group action. Learn the nomenclature of skeletal muscle. Identify the Compare and contrast the function of each muscle tissue type. 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Tayyaba Kazmi / Dr. Misha Mustaque
SKIN					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> • How many layers of skin • Appendages of skin • Difference between superficial fascia & deep fascia 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Tayyaba Kazmi / Dr. Misha Mustaque
BIOCHEMISTRY					
BIOCHEMISTRY OF CELL MEMBRANE					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> • Describe the chemical composition of the membrane- Lipids, carbohydrates, and proteins in biological cell membrane • Discuss the functions of carbohydrates in biological membranes • Identify the formation of lipid bilayer in membranes. • Describe the fluid mosaic model of membrane. 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Farhan
CELL GENETICS – I					
Learning Objectives					
<ul style="list-style-type: none"> • List the different types of purine and pyrimidine bases that occur in a nucleotide • Identify the purine and pyrimidine nucleus and the positions of C and N atoms present in the nucleus. • Define a nucleoside 	LGIF	45 Minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Farhan

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Describe the formation of 'glycosidic linkage' in nucleosides. 					
CELL GENETICS – II					
Learning Objectives					
<ul style="list-style-type: none"> Describe the formation of nucleotide by esterification of sugar molecule of nucleoside with phosphoric acid group Differentiate between nucleosides and nucleotides. List the various biologically important nucleotides. 	LGIF	60 Minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Farhan
DEFINITION, BIOCHEMICAL & CLASSIFICATION OF CARBOHYDRATES					
Learning Objectives					
<ul style="list-style-type: none"> Define carbohydrates and classify carbohydrates with examples of each group Describe the biomedical importance of each types of carbohydrates Distinguish between aldo derivatives and keto derivatives Identify the sugar derivatives of biological importance: deoxysugars, amino sugars, amino sugar acids & glycosides. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Ms. Erach
MONOSACCHARIDES AND DERIVATIVES					
Learning Objectives					
<ul style="list-style-type: none"> List and describe the monosaccharides of biological importance, viz. trioses, tetroses, pentoses, hexoses, etc. 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Ms. Erach

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Give examples of both aldoderivatives and ketoderivatives Identify the sugar derivatives of biological importance: <i>deoxysugars, amino sugars, amino sugar acids & glycosides</i> 					
DIASACCHARIDES AND DERIVATIVES					
Learning Objectives					
<ul style="list-style-type: none"> List the disaccharides of biological importance Describe briefly the chemical properties of three important disaccharides: maltose, lactose and sucrose 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Ms. Erach

PHYSIOLOGY					
INTRODUCTION TO PHYSIOLOGY					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilittor
<ul style="list-style-type: none"> Define Physiology & its history. List the branches of physiology Differentiate between physiology, biochemistry & anatomy. Describe the importance of physiology in human body. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
LEVELS OF ORGANIZATION OF HUMAN BODY					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Define Cell. Describe the functional organization of a cell. List the level of organization from chemical to human body. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
FEEDBACK MECHANISM AND THEIR ROLE IN HOMEOSTASIS					
Learning Objectives					
<ul style="list-style-type: none"> Classify & define feedback mechanisms. Differentiate between positive & negative feedback mechanisms. Explain feed forwarding mechanism with its importance. Discuss the role of feedback mechanism in the maintenance of Homeostasis. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
HOMEOSTASIS AND ROLE OF BODY SYSTEM					
Learning Objectives					
<ul style="list-style-type: none"> Define Homeostasis. Describe the term milieu interior. Explain the role of body systems in maintenance of milieu interior. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
CELL ORGANELLE-I AND II					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Learning Objectives					
<ul style="list-style-type: none"> List membranous & non-membranous cell organelles. Explain the role of each organelle in normal functioning of a cell. 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
FUNCTIONAL ORGANIZATION OF CELL					
Learning Objectives					
<ul style="list-style-type: none"> Categorize the components of a cell. Differentiate between protoplasm, cytoplasm & the nucleoplasm. State the arrangement of cell membrane. List the channels present in cell membrane with their functions. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
MAINTENANCE OF INTERNAL ENVIRONMENT					
Learning Objectives					
<ul style="list-style-type: none"> Describe the term milieu interior (internal environment) Explain the role of feedback mechanisms and body system in maintaining homeostasis 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
FUNCTIONAL COMPONENTS OF CELL					
Learning Objectives					
<ul style="list-style-type: none"> List the cellular organelles 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Describe the contribution of each cell organelle in normal functioning of the cell Explain the role of endoplasmic reticulum in protein synthesis 					Abrar / Mrs. Nida / Dr. Saba leeza
TRANSPORT MECHANISM –I (ACTIVE TRANSPORT)					
Learning Objectives					
<ul style="list-style-type: none"> Define active transport. Differentiate between primary & secondary active transports. Define the electrogenic nature of “Na⁺ - K⁺ Pump”. Explain the role of “Na⁺ - K⁺ Pump” in maintaining the cell volume. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
ISLAMIAT					
INTRODUCTION TO QURANIC STUDIES					
Learning Objectives					
<ul style="list-style-type: none"> Basic Concepts of Quran History of Quran Uloom-ul -Quran 	LGIF	30 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Madam Uzma
SDL 120 Minutes					
SDL 120 Minutes					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

WEEK 2

HISTOLOGY					
EPITHELIUM-I					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> • How many types of tissue? • How many types of epithelia? • Definition of epithelia? • How many ends of epithelia? • Classification of epithelia • Shapes and function and sites of simple epithelia. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Inayat
IDENTIFICATION OF SIMPLE EPITHELIUM					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Identify the slide Write the identification points of the slide 	PRACTICAL	105 minutes	Histology lab, 1st floor, Block- A	MCQs, SEQs, OSPE	Dr. Fatima
EPITHELIUM-II					
Learning Objectives					
<ul style="list-style-type: none"> Classification of stratified epithelia. Shapes of different types of stratified epithelia. Function of different types of stratified epithelia. Where the stratified epithelia are present. 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Inayat
EPITHELIUM-III					
Learning Objectives					
<ul style="list-style-type: none"> To discuss the location of simple and stratified epithelium 	LGIF	60 minutes	Histology lab, 1st floor, Block- A	MCQs, SEQs, OSPE	Dr. Inayat
GLANDS-I					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> Classification of exocrine glands Type of cells are present in the glands 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Inayat
SKELETON					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Learning Objectives					
<ul style="list-style-type: none"> To identify different bone shapes and joints 	SGT	120 minutes	LRC, ground floor, Block-A	MCQs, SEQs, OSPE	Dr. Inayat
GLANDS-II					
Learning Objectives					
<ul style="list-style-type: none"> How many types of mode of secretion. Types of glands on the basis of nature of secretory product. Morphology of glands. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Inayat
CONNECTIVE TISSUE-I					
Learning Objectives					
<ul style="list-style-type: none"> Discuss the Composition of CT 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Inayat

WEEK 2

BIOCHEMISTRY					
MOLISCH'S TEST + IODINE TEST					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> • Detect presence of carbohydrate in the given sample of experiment by molisch's test • Describe the principle of the reaction taking place in the experiment. • Detect the presence of polysaccharide in the given sample by iodine test • Name the reagents to be used in the experiment. • Describe the principle of the reaction taking place in the experiment 	PRACTICAL	105 minutes	Biochemistry lab, 1st Floor, Block- A	MCQs, SEQs, OSPE	Dr. Farhan
HOMOPOLYSACCHARIDES					
Learning Objectives					
<ul style="list-style-type: none"> • Differentiate between amylose and amylopectin components of starch in tabular form • Describe the structure of glycogen • Identify the building block of INULIN • State the physiological importance of INULIN • Describe 'Roughage' value of cellulose • Differentiate between the Dextrin and Dextran. 	LGIF	120 minutes	Lecture Hall 1, Block A	MCQs, SEQs, OSPE	Ms. Erach

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Discuss the use of dextran as plasma expander in treating hypovolemic shock 					
ENZYME (DEFINITION AND CLASSIFICATION)					
Learning Objectives					
<ul style="list-style-type: none"> Define enzymes Describe the catalytic activity of enzymes Classify enzymes according to international union of biochemistry 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Mr. Jamal
CO-ENZYME, CO-FACTOR					
Learning Objectives					
<ul style="list-style-type: none"> Define co-enzymes and classify them Recognize the role of metal ions in enzymes (co-factors) 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Mr. Jamal
SPECIFICITY OF ENZYMES AND MECHANISM OF ACTION					
Learning Objectives					
<ul style="list-style-type: none"> Define specificity of enzymes classify the different types of specificity <ul style="list-style-type: none"> Describe the enzyme functions by lowering the activation energy 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Mr. Jamal
FACTORS AFFECTING ENZYME ACTIVITY					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Learning Objectives					
<ul style="list-style-type: none"> Describe the Lock and Key theory and induced fit theory of mechanism of action of enzymes List various factors that affect the activity of enzyme 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Mr. Jamal
ENZYME INHIBITION					
Learning objectives					
<ul style="list-style-type: none"> Define and classify enzyme inhibition. Generalize the characteristics of competitive inhibition Give examples of competitive inhibition in biological system and as clinically used drugs. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Mr. Jamal
NUCLEI CACID (NUCLEIC ACID CHEMISTRY)					
Learning Objectives					
<ul style="list-style-type: none"> Classify the types of nucleic acid Identify the phosphodiester linkage formed between the nucleotides Describe in detail the structural characteristics of DNA- “Watson and Crick Model of Double Helix” Draw a diagram of DNA double helical structure. Define denaturation of DNA List the factors affecting denaturation 	LGIF	120 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Farhan

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Describe briefly the structural organization of Eukaryotic genome Classify the types of RNA molecules and their salient features 					
---	--	--	--	--	--

PHYSIOLOGY					
TRANSPORT MECHANISM-II (PASSIVE TRANSPORT)					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> Define passive transport. List the types of passive transports across the cell membrane. Differentiate between simple & facilitated diffusion. Explain the factors that affects diffusion. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
ACTIVE AND PASSIVE TRANSPORTS					
Learning Objectives					
<ul style="list-style-type: none"> Define and differentiate active and passive transport mechanisms Discuss the role of electrogenic pump (Na⁺-K⁺ ATPase pump) Define diffusion and list the factors that affect diffusion 	LGIF	120 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

TRANSPORT MECHANISM-III (OSMOSIS, OSMOTIC PRESSURE)					
Learning Objectives					
<ul style="list-style-type: none"> Define osmosis. Explain the terms osmolality, osmolarity & tonicity of body fluids. Explain the factors that affects osmosis. Summarize the role of osmotic pressure in transport of a substance across cell membrane. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
TRANSPORT MECHANISM-IV (ENDOCYTOSIS, EXOCYTOSIS & CLATHERIN MEDIATED TRANSPORT)					
Learning Objectives					
<ul style="list-style-type: none"> List the primary pathways (exocytosis and endocytosis) and clatherin mediated transportation across the cell membrane Explain their mechanism 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
INTRODUCTION OF PHYSIOLOGY PRACTICALS					
Learning Objectives	T.S	Duration	Venue	Assessment	

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Name the Instruments used in Physiology Practicals. Define the uses of Instruments. Summarize protocol of Instruments used in Physiology Practicals. 	PRACTICAL	105 minutes	Physiology Lab, 1st Floor, Block-A	MCQs, SEQs, OSPE	Dr. Sobia / Dr. Asma / Dr. M. Ali
VESICULAR AND OTHER TRANSPORT MECHANISMS					
Learning Objectives					
<ul style="list-style-type: none"> Define vesicular transport. Differentiate between endo & exocytosis. Summarize the mechanism of other vesicular transport. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
INTERCELLULAR CONNECTIONS & CELL ADHESION MOLECULES (CAMs)					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> List cell adhesion molecules. Classify the types of cellular connections. List and describe the ways by which cells communicates with each other. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
---	-------------	-------------------	-------------------------------------	-----------------------------	--

WEEK 2

PATHOLOGY						
CELLULAR RESPONSE AND ADAPTATIONS TO STRESS AND NOXIOUS STIMULI						
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator	

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> List the causes of cell injury. Define cellular adaptations. List the different types of cellular adaptations. Define cell injury. List the causes of cell injury. List the two types of cell injury 	LGIF	45 minutes	Lecture hall, Patho dept, Block-B.	MCQs, SEQs, OSPE	Dr. Salman
SDL 60 Minutes					
SDL 60 Minutes					
ISLAMIAT					
STUDY OF SELECTED TEXT OF HOLY QURAN					
Learning Objectives					
<ul style="list-style-type: none"> Verses of Surah Al-Hujurat Related to Adab Al-Nabi (Verse No. 1-18) Verses of Surah al-Furqan Related to Social Ethics (Verse No. 63-77). 	LGIF	30 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Madam Uzma

PEARLS				
INTRODUCTION TO DME				

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Learning Objectives					
<ul style="list-style-type: none"> • Introduction to Department Members. • Introduction to PEARLS Module 	LGIF	45 minutes	Lecture Hall 1 , Block-A	MCQs, SEQs, OSPE	Dr. Talal / Dr. Saima

WEEK 3

HISTOLOGY					
CONNECTIVE TISSUE-II					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> • Identify the types of cells present in the connective tissue • Classify the connective tissue 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Inayat
CONNECTIVE TISSUE-III					
Learning Objectives					
<ul style="list-style-type: none"> • Differentiate the dense and loose connective tissue. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Inayat
IDENTIFICATION OF STRATIFIED EPITHELIUM					
Learning Objectives					
<ul style="list-style-type: none"> • Identify the slide • .write the identification points of the slide 	PRACTICAL	105 minutes	Histology lab, 1st floor, Block- A	MCQs, SEQs, OSPE	Dr. Fatima

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

EMBRYO					
MITOSIS AND MEIOSIS					
Learning Objectives					
<ul style="list-style-type: none"> Define mitosis and meiosis Stages of mitosis and meiosis How many cells are result of mitosis & meiosis? Difference between mitosis & meiosis. 	LGIF	105 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid
OOGENESIS					
Learning Objectives					
<ul style="list-style-type: none"> Purpose of oogenesis Stages of maturation of oogenesis What is prenatal maturation of oocytes? Where the meiosis is arrested in prenatal oogenesis. What is postnatal maturation of oocytes? How the formation of graafian follicle is formed? How many cells are formed at the time of completion of meiosis 1? When meiosis 1 will complete? How the corpus luetum is formed? 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

SPERMATOGENESIS					
Learning Objectives					
<ul style="list-style-type: none"> • Steps of spermatogenesis • Sites of sperm formation • Describe spermatocytogenesis. • Describe spermiogenesis. • What are the structures of sperm? • Anomalies of chromosomes. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid
FIRST WEEK OF DEVELOPMENT					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Define fertilization, zygote, cleavage, blastomere and compaction. Describe morula and how it is arranged. How the trophoblast and embryoblast are formed. Describe implantation and normal and abnormal sites. 	LGIF	105 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid
MODELS OF EMBRYO					
Learning Objectives					
<ul style="list-style-type: none"> To study the models of embryonic development 	SGT	120 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid

WEEK 3

BIOCHEMISTRY					
FEEDBACK REGULATION					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Generalize the characteristics of non-competitive inhibition reversible and irreversible Describe feedback regulation mechanism of enzyme activity. 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Farhan
BENEDICT'S TEST + BARFOED'S TEST					
Learning Objectives					
<ul style="list-style-type: none"> Recall the difference between reducing and non-reducing sugars Detect the presence of reducing sugars in the given sample by Benedicts test. Describe the principle of the reaction taking place in the experiment Differentiate between reducing monosaccharide and reducing disaccharide Detect the presence of reducing monosachharides in the given sample by Barfoeds test Describe the principle of the reaction taking place in the experiment. 	PRACTICAL	105 minutes	Biochemistry Lab, 1st floor, Block-A	MCQs, SEQs, OSPE	Dr. Farhan

BIOCHEMISTRY	
ENZYME CLINICAL IMPORTANCE-I	

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE

Learning Objectives					
<ul style="list-style-type: none">Identify the important enzymes used for estimation of biomolecules.Identify important enzymes used for therapeutic purposes.Outline the sources of enzymes: plasma derived and cell derived	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Mr. Jamal
ENZYME CLINICAL IMPORTANCE-II					
Learning Objectives					
<ul style="list-style-type: none">Outline the reasons for increased and decreased levels of cell-derived enzymes in plasmaIdentify the importance of estimating enzyme levels in body fluids.	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Mr. Jamal

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE
WEEK 3**

PHYSIOLOGY					
CELL RECEPTORS, 2ND MESSENGER AND GROWTH FACTORS					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> • Define receptor • Classify the types of receptors. • Interpret the mechanism of stimulation of receptor with the types of stimulus. • Explain 2nd messenger system. • Summarize the role of growth factor in cellular growth. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Adnan / Mrs. Nida / Dr. Saba leeza
STUDY OF BINOCULAR MICROSCOPE					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> • Identify the parts of Binocular Microscope. • Define the function of each part of Binocular Microscope. • Demonstrate the use of Microscope. 	PRACTICAL	105 minutes	Physiology Lab, 1 st floor, Block- A	MCQs, SEQs, OSPE	Dr. Sobia / Dr. Asma / Dr. M. Ali
CAMs AND CELLS CONNECTIONS					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Name the cell adhesion molecules Categorize the cellular connections List the importance of intercellular connections 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
---	------	------------	--------------------------	------------------	---

WEEK 3

PHARMACOLOGY					
INTRODUCTION TO PHARMACOLOGY AND ITS BRANCHES (PHARMACODYNAMICS / PHARMACOKINETICS)					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> Define Pharmacology. Define Drug Classify Pharmacology. Define Pharmacokinetics and Pharmacodynamics. Define 4 steps of Pharmacokinetics. 	LGIF	60 minutes	Lecture hall 1, Block-A	MCQs, SEQs, OSPE	Dr. Sherish
PATHOLOGY					
CELL INJURY AND CELL DEATH					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> Define cell death List the two patterns of cell death Describe necrosis and apoptosis List examples of necrosis and apoptosis 	LGIF	60 minutes	Lecture hall, Patho dept, Block-B.	MCQs, SEQs, OSPE	Dr. Salman
INFLAMMATION-I					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Learning Objectives					
<ul style="list-style-type: none"> Define inflammation List the hall marks of inflammation List the types of inflammation 	LGIF	45 minutes	Lecture hall, Patho dept, Block-B.	MCQs, SEQs, OSPE	Dr. Salman

FORMATIVE ASSESSMENT (COMBINED)					
120 minutes			MCQs, SEQs, OSPE		
COMMUNITY MEDICINE					
ICE-BERG PHENOMENON					
Learning Objectives					
<ul style="list-style-type: none"> Describe the Ice berg Phenomena To identify diseases prevalent in a given population 	LGIF	60 minutes	Lecture hall 1, Block A	MCQs, SEQs, OSPE	Dr. Nauman
INTRODUCTION TO COMMUNITY MEDICINE					
Learning Objectives					
<ul style="list-style-type: none"> Discuss the importance of public health Discuss the role of community medicine in achieving the goals of public health 	LGIF	60 minutes	Lecture hall 1, Block A	MCQs, SEQs, OSPE	Dr. Nauman
GYNAB AND OBS					
SUBFERTILITY					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Define primary and secondary infertility. Enlist the causes of infertility in both males and females. Discuss how to evaluate male/female factor infertility. What are the reference values (lower reference limit values) for semen analysis. 	LGIF	60 minutes	Lecture Hall 1, Block-A	MCQs, SEQs, OSPE	Dr. Nighat
ABNORMAL IMPLANTATION OF FERTILIZED OOCYTE(EMBRYO)					
Learning Objectives					
<ul style="list-style-type: none"> Define implantation Explain the stages of implantation Define abnormal implantation Discuss the etiopathology of abnormal implantation List the risk factors causing abnormal implantation Memorized the disorders caused by abnormal implantation. 	LGIF	60 minutes	Lecture Hall 1, Block-A	MCQs, SEQs, OSPE	Dr. Nighat
SDL 60 Minutes					
CBL					
AWARENESS SESSION ON CBL				120 minutes	
BEHAVIORAL SCIENCE					
INTRODUCTION OF BEHAVIOURAL SCIENCE					
Learning Objectives					
<ul style="list-style-type: none"> Define the terms health and behavioural sciences. Correlate the link between health with behavioural sciences. Describe the importance of health in behavioural sciences. 	LGIF	60 minutes	Lecture hall 1, Block - A	MCQs, SEQs, OSPE	Dr. Mahira
ISLAMIAT					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

SEERAT OF HOLY PROPHET (S.A.W)					
Learning Objectives					
<ul style="list-style-type: none">• Life of Muhammad Bin Abdullah (Before Prophethood• Life of Holy Prophet (S.A.W.) in Makkah• Important Lessons Derived from the life of Holy Prophet (S.A.W.) in Makkah	LGIF	30 minutes	Lecture hall 1, Block - A	MCQs, SEQs, OSPE	Madam Uzma

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE
WEEK 4**

EMBRYO					
SECOND WEEK OF DEVELOPMENT					
Learning Objectives					
<ul style="list-style-type: none"> Why is it called week of two? How does the bilaminar disc is formed? What are the changes take place in trophoblast and embryoblast? What is amniotic cavity and when it is formed? Describe uteroplacental circulation. When does primary and secondary yolk sac form? 	LGIF	105 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid
IDENTIFICATION OF GLANDS					
Learning Objectives					
<ul style="list-style-type: none"> Identify the slide Write the identification points of the slide 	PRACTICAL	105 minutes	Histology lab, 1st floor, Block-A	MCQs, SEQs, OSPE	Dr. Fatima
3RD TO EIGHTH WEEK-I					
Learning Objectives					
<ul style="list-style-type: none"> Describe gastrulation. When primitive is streak is formed, what happened with primitive streak and what is its fate of? 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

WEEK 4

EMBRYO					
SKIN MODEL					
Learning Objectives					
<ul style="list-style-type: none"> To identify the different skin appendages and its features 	SGT	60 minutes	Lecture hall 1, Ground floor, Block A	MCQs, SEQs, OSPE	Dr. Rashid
3RD TO EIGHTH WEEK-II					
Learning Objectives					
<ul style="list-style-type: none"> Describe formation of notochord and its function. Describe somites. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid
3RD TO EIGHTH WEEK-III					
Learning Objectives					
<ul style="list-style-type: none"> Describe paraxial mesoderm, intermediate mesoderm and lateral plate mesoderm 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid
PLACENTA					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> • What is placenta. • Different parts of placenta. • What is amniotic cavity & amniotic fluids. • Describe umbilical cord. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid
EMBRYO (MODELS)					
Learning Objectives					
<ul style="list-style-type: none"> • Identify different developmental stages in embryo models 	SGT	120 minutes	LRC, ground floor, Block-A	MCQs, SEQs, OSPE	Dr. Rashid

WEEK 4

BIOCHEMISTRY					
SELIWANOFF'S TEST + OOSAZONE FORMATION TEST					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> • Identify the difference between keto sugar and aldo sugar • Detect the presence of keto or aldo sugar by selivanoff test • Describe the principle of the reaction taking place in the experiment. • Record the observation of the sample and the control in experiment. • Identify the specific reducing sugar by phenylhydrazine test on account of formation of characteristic osazone crystals • Identify the type of crystals formed by different sugars • Name the reagents to be used in the experiment. • Describe the principle of the reaction taking place in the experiment. 	PRACTICAL	105 minutes	Biochemistry lab, 1st Floor, Block-A	MCQs, SEQs, OSPE	Dr. Farhan
--	------------------	--------------------	--	-------------------------	-------------------

WEEK 4

PHYSIOLOGY					
2ND MESSENGER SYSTEM OF CELLS					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Define and identify the second messengers Classify different second messengers Explain the function with mechanism of each 	LGIF	60 minutes	Lecture hall 1, Block-A	MCQs, SEQs, OSPE	Dr. Adnan / Mrs. Nida / Dr. Saba leeza
INTRODUCTION OF INSTRUMENTS USED IN PHYSIOLOGY PRACTICALS					
Learning Objectives					
<ul style="list-style-type: none"> Identify the instruments Name the parts of each instruments Mention the function of each instrument 	PRACTICAL	105 minutes	Physiology lab, 1st floor, Block-A	MCQs, SEQs, OSPE	Dr. Sobia / Dr. Asma / Dr. M. Ali
GYNAE AND OBS					
NORMAL AND ABNORMAL PLACENTA					
Learning Objectives	T.S	Duration	Venue	Assessment	Facilitator
<ul style="list-style-type: none"> Define placenta. Discuss briefly the development of normal placenta. Understand the gross anatomy of normal placenta. Describe various types of placental abnormalities. Describe the various functions of the placenta. Discuss each type of placental abnormalities individually and its clinical presentation 	LGIF	60 minutes	Lecture hall 1, Block-A	MCQs, SEQs, OSPE	Dr. Nighat
PRENATAL SCREENING FOR MALFORMATION					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> • Differentiate between screening and diagnostic test • How to take history from a pregnant woman to proceed for screening or diagnostic test. • Discuss role of ultrasound to screen chromosomal and structural anomalies. • Discuss different biochemical test to screen fetal abnormalities • Enumerate diagnostic test for prenatal diagnosis. • Discuss CVS and Amniocentesis as prenatal diagnostic test 	LGIF	60 minutes	Lecture hall 1, Block-A	MCQs, SEQs, OSPE	Dr. Nighat
SDL 120 minutes					
SDL 45 minutes					
SDL 45 minutes					
BEHAVIORAL SCIENCES					
ETHICAL ISSUE RELATED TO EMBRYONIC STEM CELL					
Learning Objectives					
<ul style="list-style-type: none"> • Define ethics • Importance to medical ethics • How to resolve ethical delimas 	LGIF	45 minutes	Lecture hall 1, Block - A	MCQs, SEQs, OSPE	Dr. Mahira
UNDERSTANDING BEHAVIOUR					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Learning Objectives					
<ul style="list-style-type: none"> Explain the concept of behaviour. Analyse the changes in behaviour in different and in same situations 	LGIF	60 minutes	Lecture hall 1, Block - A	MCQs, SEQs, OSPE	Dr. Mahira
PEARLS					
STUDY SKILLS-KNOW YOUR LEARNING STYLE AND APPROACHES					
Learning Objectives					
<ul style="list-style-type: none"> Identify different study approaches. Discuss how to improve their study skills. 	LGIF	60 minutes	Lecture hall 1, Block - A	MCQs, SEQs, OSPE	Dr. Talal / Dr. Saima
STUDY SKILLS-KNOW YOUR LEARNING STYLE AND APPROACHES					
Learning Objectives					
<ul style="list-style-type: none"> Identify different learning styles of learners. Discuss importance of different learning styles. 	Self-assessment activity	45 minutes	Lecture hall 1, Block - A	MCQs, SEQs, OSPE	Dr. Talal / Dr. Saima



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

RESEARCH					
INTRODUCTION TO RESEARCH AND ITS IMPORTANCE IN HEALTH SCIENCES					
Learning Objectives					
<ul style="list-style-type: none"> Define basic terminology related to research Explain the research process Discuss the application of research in health sciences 	LGIF	120 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Ms. Erach
CATEGORIES AND TYPES OF RESEARCH					
Learning Objectives					
<ul style="list-style-type: none"> Explain the categories of research Define the types of research 	LGIF	120 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Ms. Erach
MEDICINE					
Medicine And Basic Health Sciences					
Learning Objectives					
<ul style="list-style-type: none"> Introduction to medicine Basic health sciences and their relation to medicine 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Masooda

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

PAEDS					
INTRODUCTION TO PEDIATRICS					
Learning Objectives					
<ul style="list-style-type: none"> • Know the definition of paediatrics • Know the responsibilities of paediatricians • Know the aims of paediatrics • Know the difference between paediatrics and adult medicine • Know the different growth periods of children 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Tahira Saeed
FORMATIVE ASSESSMENT 120 Minutes					
CBL 120 Minutes					
<ul style="list-style-type: none"> • Define osmosis • Enlist the factors affecting the movement of water and electrolytes across the cell membrane • Define Isotonic ,hypertonic and hypotonic solution. • Describe the process of diffusion. • Recognize the osmolarity of electrolytes in Extracellular and intracellular fluid. 					Dr. Kahkashan Perveen

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

WEEK 5

EMBRYO					
DEVELOPMENTAL ERRORS					
Learning Objectives					
<ul style="list-style-type: none"> To discuss the different congenital anomalies occurring during the development of embryo from week 1 to 8 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Rashid
EMBRYO MODEL					
Learning Objectives					
<ul style="list-style-type: none"> Identify different developmental stages in embryo model 	SGT	60 minutes	LRC	MCQs, SEQs, OSPE	Dr. Rashid
MODELS OF JOINTS					
Learning Objectives					
<ul style="list-style-type: none"> To identify different joints of the body. 	SGT	60 minutes	LRC	MCQs, SEQs, OSPE	Dr. Rashid

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

PHYSIOLOGY					
INTERCELLULAR COMMUNICATIONS					
Learning Objectives					
<ul style="list-style-type: none"> Define intercellular communication Describe the process of intercellular communication 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
TYPES OF CELLULAR COMMUNICATION					
Learning Objectives					
<ul style="list-style-type: none"> Categorize intercellular communication Explain the function of each 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Ruqaya/ Dr. Adnan / Dr. Saba Abrar / Mrs. Nida / Dr. Saba leeza
PATHOLOGY					
INFLAMMATION-II					
Learning Objectives					
<ul style="list-style-type: none"> Define acute inflammation Define chronic inflammation List the outcomes of inflammation 	LGIF	45 minutes	Lecture hall, Patho dept, Block-B.	MCQs, SEQs, OSPE	Dr. Salman
COMMUNITY MEDICINE					
HEALTH AND PREVENTION					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Enumerate the level of prevention. Describe the level of prevention. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Nauman
NATURAL HISTORY OF DISEASE / DISEASE SURVEILLANCE					
Learning Objectives					
<ul style="list-style-type: none"> Define McKeon's Concepts Differentiate between clinical medicine and community medicine Discuss the natural history of disease. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Nauman
MEDICINE					
COMPONENTS OF MEDICAL HISTORY					
Learning Objectives					
<ul style="list-style-type: none"> Revise basic components of medical history Demonstrate appropriate history taking technique Evaluate patients complains in a respectful manner 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Masooda
GENERAL PHYSICAL EXAMINATION					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Review significance of general physical examination Assess the patients by general appearance and behavior Organize correct procedure of vital signs examination 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Masooda
TOPIC?					
Learning Objectives					
	LGIF	120 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Masooda
SURGERY					
INTRODUCTION					
Learning Objectives					
<ul style="list-style-type: none"> Define basic principles of surgery Describe the sequence of conducting clinical interview from surgical patient 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Sidra
SKIN INCISION, SUTURES AND SUTURING TECHNIQUES					
Learning Objectives					
<ul style="list-style-type: none"> Define the principles of skin and abdominal incisions. 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Sidra

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

<ul style="list-style-type: none"> • Discuss the concept of skin tension or Langer's lines and their practical application. • Describe different types of abdominal incisions and the types of surgeries where these are considered. • Enlist types of suture material. • Enumerate different suturing techniques. 					
CARING IN THE OPERATING ROOM					
Learning Objectives					
<ul style="list-style-type: none"> • Describe basic principles of preparing a patient for theatre • Define asepsis and universal precautions • Describe the basic principles of gloving, gowning and movement in operation theatre 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Sidra
WOUND MANAGEMENT (FIRST AID MANAGEMENT OF HAEMORRHAGE)					
Learning objectives					
<ul style="list-style-type: none"> • Define haemorrhage • Enlist types of haemorrhage • Enumerate clinical features of haemorrhage • Describe first aid management of haemorrhage 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Sidra
SURGICAL ETHICS					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Learning Objectives					
<ul style="list-style-type: none"> Define ethics Identify the issues in surgical ethics Explain the importance & boundaries of autonomy and confidentiality Describe informed consent 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Sidra
SDL 120 Minutes					
SDL 120 Minutes					
PHARMACOLOGY					
OVERVIEW OF DRUG RECEPTORS					
Learning Objectives					
<ul style="list-style-type: none"> Explain major types of drug receptors with examples. Explain signal transduction pathway. 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Sehrish
GYNAE AND OBS					
ABNORMAL IMPLANTATION OF PLACENTA (PLACENTA PRAEVIA)					
Learning Objectives					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Define placenta praevia Enlist the types of placenta praevia Enumerate the risk factors of placenta praevia. Recognize the role of ultrasound to localize the placenta and its complication related to previous scar 	LGIF	45 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Nighat
PAEDS					
COMPONENTS OF PEDIATRIC HISTORY TAKING					
Learning Objectives					
<ul style="list-style-type: none"> understand the <i>content differences</i> in obtaining a medical history on a pediatric patient compared to an adult. understand how the age of the child has an impact on obtaining an appropriate medical history. know, how to establish a rapport between Child and Parents know, how to obtain an overview of the child's previous and current health issues know, how to obtain the birth, immunization, Growth & development, psychological, family, and social context of history in a child's illness 	LGIF	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Anwar ul Haq
Normal Growth and development, Pediatrics Statistics					
Learning Objectives					
<ul style="list-style-type: none"> Know the definition of growth development and statistics. Know normal growth and development. Know the different growth period of children 	LGIF	120 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Zahid Malik

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

<ul style="list-style-type: none"> Know about different pediatrics statistics 					
PEARLS					
STUDY SKILLS-LEARNING EXPERIENCE AND TEST TAKING SKILLS					
Learning Objectives					
<ul style="list-style-type: none"> Develop a working plan for studying Compare individual and group learning benefits. 	Self-assessment activity	60 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Dr. Talal / Dr. Saima
ISLAMIAT					
SEERAT OF HOLY PROPHET (S.A.W)					
Learning Objectives					
<ul style="list-style-type: none"> Life of Holy Prophet (S.A.W.) in Madina Important Events of Life Holy Prophet (S.A.W.) in Madina Important Lessons Derived from the life of Holy Prophet (S.A.W.) in Madina 	LGIF	30 minutes	Lecture Hall 1, Block- A	MCQs, SEQs, OSPE	Madam Uzma
PAKISTAN DAY HOLIDAY					

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

TIME TABLE OF FOUNDATION MODULE

WEEK 1

DAYS	8:30-9:30	9:30-10:15	10:15-10:30	10:30-11:30	11:30-12:30	12:30-1:15	1:15-1:30	1:30-3:30	
Monday 21-02-2022	ORIENTATION DAY		Tea break	ORIENTATION DAY			Lunch & Prayer	ORIENTATION DAY	
Tuesday 22-2-2022	PHYSIO Introduction to Physiology	ANATOMY Planes and position of the body		PHYSIO Level of Organization of Human Body	ANATOMY Movements of the Body	BIOCHEM Biochemistry of cell membrane		ANATOMY SGT Demonstration of Different Body Movements	
Wednesday 23-2-2022	PHYSIO Feedback Mechanism & their role in homeostasis	BIOCHEM Cell genetics-I		ANATOMY Classification of Bones	PHYSIO Homeostasis & Role of Body System	ANATOMY Classification of Joints		SDL	
Thursday 24-2-2022	BIOCHEM Cell genetics-II	ANATOMY Classification of Muscles		ANATOMY Skin	BIOCHEM Definition, Biochemical & Classification of carbohydrate	PHYSIO Cell Organelle-I Cell Organelle-II		PHYSIO Functiona I Organizat ion of Cell	PHYSIO Maintenan ce of Internal Environm ent

Prepared by
Mrs. Nida Lathiya
Study Guide Coordinator for First Prof. M.B.B.S.
Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Friday 25-2-2022	PHYSIO Functional Components of Cells	BIOCHEM Monosaccharaides and derivate		BIOCHEM Disaccharides and derivate	PHYSIO Transport Mechanism-I (Active transport)	12:30-1:00 ISLAMIAT	1:00- 1:30 Lunch & Prayer	SDL
---------------------	---	--	--	---	--	-------------------------------	---------------------------------------	------------

WEEK 2

DAYS	8:30-9:30	9:30-10:15	10:15-10:30	10:30-11:30	11:30-12:30	12:30-1:15	1:15-1:30	1:30-3:30
Monday 28-2-2022	PHYSIO Transport Mechanism-II (Passive transport)	PATHO Cellular response & adaptations to stress and noxious stimuli	Tea break	HISTO Epithelium-I	PRACTICAL A,B & C Anatomy Identification of Simple Epithelium (Histology)	Lunch & Prayer	1:15-1:30	PHYSIO Active & Passive Transports
Tuesday 01-3-2022	PHYSIO Transport Mechanism-III (Osmosis, osmotic pressure)	HISTO Epithelium-II		SDL	PRACTICAL A,B & C Biochemistry Molisch's test+ Iodine test			BIOCHEM Homopolysaccharides

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

Wednesday 02-3-2022	HISTO Epithelium-III	BIOCHEM Enzyme (Definition and classification)		PHYSIO Transport Mechanism – IV (Endocytosis, Exocytosis & Clathrin Mediated Transport)	PRACTICAL A,B & C Physiology Introduction of Physiology Practicals		PHYSIO Vesicular & Other Transport Mechanisms	SDL
Thursday 03-3-2022	BIOCHEM Co-Enzyme, Co-Factor	HISTO Glands-1		BIOCHEM Specificity of enzymes and mechanism of action	PHYSIO Intercellular Connections, & CAMs	PEARLS		ANATOMY SGT skeleton
Friday 04-3-2022	HISTO Glands-II	BIOCHEM Factors affecting enzyme activity		HISTO Connective tissue-I	BIOCHEM Enzyme Inhibition	12:30-1:00 ISLAMIA I	1:00- 1:30 Lunch & Prayer	Biochemistry

WEEK 3

DAYS	8:30-9:30	9:30-10:15	10:15-10:30	10:30-11:30	11:30-12:30	12:30-1:15	1:15-1:30	1:30-3:30	
Monday 07-3-2022	HISTO Connective tissue-II	BIOCHEM Feedback regulation	Tea break	HISTO Connective tissue-III	PRACTICAL A,B & C Anatomy Identification of Stratified epithelium		Lunch & Prayer	PHARMA Pharmacodynamics/ Pharmacokinetics	PATHO Cell injury and cell death
Tuesday 08-3-2022	EMBRYO Mitosis & Meiosis			PHYSIO Cell Receptors, 2 nd Messenger &	PRACTICAL A,B & C Biochemistry Benedict's Test+Barfoed's test			FORMATIVE ASSESSMENT (Combined)	

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

Wednesday 09-3-2022	EMBRYO Oogenesis	BIOCHEM Enzyme clinical importance	Growth factors	COM MEDICINE Ice – berg Phenomenon	PRACTICAL A,B & C Physiology Study of Binocular Microscope		COM MEDICINE introduction to Community Medicine	GYN&E & OBS Subfertility
Thursday 10-3-2022	EMBRYO Spermatogenesis	PHYSIO CAMs & Cells Connections	BIOCHEM	SDL	PATHO Inflammation		CBL	
Friday 11-3-2022	EMBRYO First week of development		GYN&E & OBS	BEHAVIORAL SCIENCE	12:30-1:00 ISLAMIAT	1:00-1:30 Lunch & Prayer	ANATOMY SGT Models of Embryo	

WEEK 4

DAYS	8:30-9:30	9:30-10:15	10:15-10:30	10:30-11:30	11:30-12:30	12:30-1:15	1:15-1:30	1:30-3:30
Monday 14-3-2022	EMBRYO Second week of development		Tea break	GYN&E & OBS	PRACTICAL A,B & C Anatomy Identification of Glands		Lunch & Prayer	SDL

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

			Normal and abnormal Placenta			
Tuesday 15-3-2022	EMBRYO 3 rd to eight week-I	BEHAVIORAL SCIENCE Ethical issue related to Embryonic Stem Cell	GYNAE & OBS Prenatal Screening for malformation	PRACTICAL A,B & C Biochemistry Seliwanoff's test + Oosazone formation test	PEARLS	ANATOMY SGT Skin Model
Wednesday 16-3-2022	EMBRYO 3 rd to eight week-II	SDL	PHYSIO 2 nd Messenger System of Cells	PRACTICAL A,B & C Physiology Introduction of Instruments Used in Physiology Practicals	RESEARCH	
Thursday 17-3-2022	EMBRYO 3 rd to eight week-III	RESEARCH	BEHAVIORAL SCIENCE	MEDICINE Medicine & Basic Health Sciences	PAEDS	FORMATIVE ASSESSMENT
Friday 18-3-2022	EMBRYO Placenta	SDL	ANATOMY SGT		PEARLS	CBL

WEEK 5

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

DAYS	8:30-9:30	9:30-10:15	10:15-10:30	10:30-11:30	11:30-12:30	12:30-1:15	1:15-1:30	1:30-3:30
Monday 21-3-2022	EMBRYO Developmental Errors	Surgery Introduction	Tea break	PHYSIO Intercellular Communications	COM MEDICINE Health and prevention	PATHOLOGY	Lunch & Prayer	SDL
Tuesday 22-3-2022	ANATOMY SGT EMBRYO MODEL	PHYSIO Types of Cellular Communications		MEDICINE Components of Medical History	PAEDS	SURGERY Skin Suturing & Knotting		SDL
Wednesday 23-3-2022	Pakistan Day Holiday			Pakistan Day Holiday				Pakistan Day Holiday
Thursday 24-3-2022	Pharmacology	SURGERY Caring in the Operating Room		COM MEDICINE Natural history of disease/ disease surveillance	MEDICINE General Physical Examination	SURGERY Wound Management		MEDICINE
Friday 25-3-2022	SURGERY Soft Tissue Infections	(GYNAE)		ANATOMY SGT Models of Joints	PEARLS	ISLAMIAT 12:30-1:00		PAEDS

FOUNDATION MODULE EXAMINATION

MONDAY 28-02-2022	INTEGRATED MODULE PAPER (for all the topics taught in the module)
-----------------------------	--

Prepared by
Mrs. Nida Lathiya
 Study Guide Coordinator for First Prof. M.B.B.S.
 Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE**

Distribution and Duration* of Teaching Activities Amongst Different Disciplines

S.No	Disciplines	Large Group Format	Small Group Format	Total
1.	Anatomy	25 hrs	16.5 hrs	41.5 hrs
2.	Physiology	21 hrs	5.25 hrs	26.25 hrs
3.	Biochemistry	16.25 hrs	5.25 hrs	21.5 hrs
4.	Pharmacology	2hr		2hr
5.	Pathology	3.25 hrs		3.25 hrs
6.	Com. Med	4 hrs		4 hrs
7.	Forensic Med	0		
8.	Medicine	5 hrs		5 hrs
9.	Surgery	4 hrs		4 hrs
10.	Paeds	3.75 hrs		3.75 hrs
11.	Gynae &Obs	4.75 hrs		4.75 hrs
12.	Eye			
13.	ENT			
14.	Psychiatry			
15.	Behavioral Sciences	2.75 hrs		2.75 hrs
16.	Islamiyat	2 hrs		2 hrs
17.	Pak Studies			
18.	SDL	14.5 hrs		14.5 hrs
19.	CBL		4 hrs	4 hrs
20.	PEaRLS	3.5 hrs		3.5 hrs

* calculated in hours

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



**BAQAI MEDICAL UNIVERSITY
BAQAI MEDICAL COLLEGE
REFERENCES BOOKS AND OTHER READING RESOURCES**

Gross Anatomy	<p>BD Chaurasia's Handbook of GENERAL ANATOMY</p> <ol style="list-style-type: none"> 1. Chapter-1--Introduction-Page 1-28 2. Chapter-2—Skeleton- Page 29-57 3. Chapter-3---Joints –Page 58-82 4. Chapter-4—Muscles—Page 83-100 <p>Netter Atlas of Human Anatomy</p>
Embryology	<p>Langman's Embryology</p> <ol style="list-style-type: none"> 1. Chapter-2—Gametogenesis-Page 12-29 2. Chapter-3—First week of Development-Page 30-43 3. Chapter-4—2nd week of development--Page 44-53 4. Chapter-5—3rd week of development-Page 54-65 5. Chapter-6—3rd week to birth-Page 66-87 6. Chapter-7—Placenta-Page 92-101
Histology	<p>Laiq Hussain Histology</p> <ol style="list-style-type: none"> 1. Chapter-1-introduction—Page 1-10 2. Chapter-2-Epithelium—Page 11-30 3. Chapter-3-Glands—Page 31-38 4. Chapter-4-Connective tissue—Page 39-60
Physiology	<p>Guyton and Hall. “Textbook of Medical Physiology”-13th edition Ganong's “Review Of Medical Physiology”-25th Edition</p>
Biochemistry	<p>Lippincott Illustrated Reviews: Biochemistry. Harpers illustrated Biochemistry. Textbook of Medical Biochemistry by MN Chaterjee & Rana Shinde.</p>

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

	DM Vasudevan – Textbook of Biochemistry.
Pharmacology	Basic and Clinical Pharmacology by Bertram Katzung, 14 th Edition. Katzung and Trevor’s Pharmacology Examination and Board Review, 14 th Edition. Lippincott’s illustrated review of Pharmacology. 7 th Edition.
Pathology	Robin’s Basic Pathology-10 th Edition
Community Medicine	Ilyas M, Public Health and Community Medicine, 7 th Edition, Karachi, Pakistan, Time Publisher, 2007. Maxcy-Rosenau-Last, public Health and Preventive Medicine, 13 th Edition, USA, Prentice-Hall International Inc, 1992. K.Park, Preventive and Social Medicine, 20 th Edition, Jabalpur (India), M/s Banarsidas Bhanot, Publisher, 2009.
Medicine	Davidson’s Principles and Practice of Medicine-22 nd Edition
Clinical Examination	Talley and O'Connor's Clinical Examination-6 th Edition
Surgery	Bailey And Love Short Practice Of Surgery, 27 th Edition Last’s anatomy 12 th edition Snell’s anatomy by regions 10 th edition
Research	Introduction to Research in Health Sciences- Stephen Polgar, Shane A. Thomas. Biomedical Research Proposal Writing- Syed Sharaf Ali Shah, Zarfshan Tahir, Rozina Karmaliani. Epidemiology - Leon Gordis; Fifth Edition.
PEARLs	https://www.mededportal.org/publication/10610/
PAEDS	Nelson Textbook of Pediatric 21 st edition. Textbook of Paediatrics (PPA) Fifth edition. Basis of Pediatrics (Pervez Akbar Khan) 10 th edition

Prepared by

Mrs. Nida Lathiya

Study Guide Coordinator for First Prof. M.B.B.S.

Assistant Professor, Department of Physiology



BAQAI MEDICAL UNIVERSITY BAQAI MEDICAL COLLEGE

Prepared by
Mrs. Nida Lathiya
Study Guide Coordinator for First Prof. M.B.B.S.
Assistant Professor, Department of Physiology