

(For ilmul - Qabalat WA - NAU Maolood)

SYLLABUS OF QABALAT WA NAU MAOLOOD

24/3/12
(Dr. Director W)
Aysha Director

1. HAYAATI KIMIYA-WA-ITLAQI JANINIYAT (BIOCHEMISTRY AND GENETICS):

A. **BIOCHEMISTRY:** INTRODUCTION TO BIOCHEMISTRY: BASIC CONCEPT OF CELL STRUCTURE AND FUNCTIONS. CHEMICAL COMPOSITION OF HUMAN BODY AND MAJOR BIO-MOLECULES.

- BASIC CHEMISTRY OF CARBOHYDRATES, LIPIDS, AMINO ACIDS AND PROTEINS.
- ENZYMES: GENERAL CHARACTERISTICS OF ENZYMES & ASSAY METHODS KINETICS ASSAY OF SOME CLINICALLY IMPORTANT ENZYMES.
- VITAMINS AND MINERALS.
- METABOLISM OF CARBOHYDRATE LIPIDS AND AMINO ACIDS CLASSIFICATION OF BODY FLUIDS AND THEIR BIOCHEMICAL CO-RELATION (GENERAL CONSIDERATIONS) IN UNANI MEDICINE
- LFT, KFT, SUGAR PROFILE, LIPID PROFILE.
- APPLIED IMMUNOLOGY – AIDS, RHEUMATOID ARTHRITIS

B. **GENETICS** 1. MEDICAL GENETICS: DEFINITION, SCOPE AND BRANCHES.

2. MEDELIAN INHERITANCE: HISTORY OF GENETICS• MENDEL'S EXPERIMENTS• TERMINOLOGY AND DEFINITIONS• LAW OF SEGREGATION• LAW OF INDEPENDENT ASSORTMENT•

3. EXTENTION TO MENDELIAN SEGREGATION PATTERNS:

4. MODIFICATION OF MENDELIAN RATIOS

5. MULTIPLE ALLELISM – EG:- ABO BLOOD GROUP INHERITANCE IN MAN

6. BLOOD GROUP INCOMPATIBILITY EG:- RH – FACTOR

7. CELL DIVISION AND CHROMOSOMAL SEGREGATION:

8. CELL CYCLE, MITOSIS, MEIOSIS, GENETICS OF SEX DETERMINATION AND DIFFERENTIATION, MECHANISM OF SEX DETERMINATION . SEX LINKED INHERITANCE EG: COLOUR BLINDNESS, HAEMOPHILIA, DMD, ETC

2. ITLAQI TASHREEH WA MUNAFE UL AZA (APPLIED ANATOMY AND PHYSIOLOGY OF FEMALE REPRODUCTIVE SYSTEM)

- **APPLIED ANATOMY** OF FEMALE UROGENITAL SYSTEM- NORMAL AND APPLIED ASPECTS AND DEVELOPMENTAL DEFECTS.
- **PHYSIOLOGY** OF OVARIES, UTERUS, AND FALLOPIAN TUBES.
- **GAMETOGENESIS**, FERTILIZATION, IMPLANTATION AND EARLY DEVELOPMENT OF EMBRYO.

- **PHYSIOLOGY OF MENSTRUATION**, PUBERTY, ADOLESCENCE AND MENOPAUSE.
- **ENDOCRINOLOGY** RELATED TO FEMALE REPRODUCTIVE SYSTEM
- **ANATOMICAL AND PHYSIOLOGICAL** CHANGES DURING PREGNANCY, PARTURITION AND POST NATAL PHYSIOLOGICAL CHANGES.
- MAMMARY GLANDS: STRUCTURE, CONTROL OF BREAST DEVELOPMENT, PHYSIOLOGY OF LACTATION, MILK AND ITS COMPOSITION.
- HUMORAL AND CELLULAR IMMUNOLOGY IN AMRAZ E NISWAN
- IMMUNOLOGY OF PREGNANCY.
- FETAL GROWTH AND DEVELOPMENT, FETAL PHYSIOLOGY AND CIRCULATION.

3. QABALAT WA AMRAZE NAUMAULOOD (OBSTETRICS AND NEONATOLOGY)

- FEMALE PELVIS AND ITS DIAMETERS. (ANA KA TAFSILI BAYAN AUR USKE AQTAR) AND FOETAL SKULL AND ITS DIAMETER
- OVULATION, FERTILIZATION, IMPLANTATION, (TABVEZ, AMAL-E-BARAWRI, AMAL-E- TANSEEB)
- DEVELOPMENT OF FOETUS. (JANEENI IRTEQA)
- FOETAL CIRCULATION (IANEENIDORAN-E-KHOON)
- AMNIOTIC FLUID AND FOETAL MEMBRANES (RATOOBAT-E-AMINOOSI WA AGHSHIYAE JANEEN)
- NORMAL PLACENTA, ABNORMAL PLACENTA. (TABAE MASHIMA, GHAIR TABAI MASHIMA)
- UMBILICAL CORD, ABNORMALITIES OF UMBILICAL CORD. (TABAE HABLUSSURAH, GHERTBAI HABLUSSARH)
- PREGNANCY (HAMAL) & PHYSIOLOGICAL CHANGES (HAMAL KE TABAI TAGHAYYURAT)
- SIGNS & SYMPTOMS OF PREGNANCY. (HAMAL KI ALAMAT VA NISHANIYAN): DIAGNOSIS OF PREGNANCY. (HAMAL KI TASHKHEES)
- PSEUDOCYESIS (FALSE PREGNANCY) (HAMAL-E- KAZIB) (RIJAA')
- ANTE-NATAL CARE (HAMLA KI NIGAH DASHT)
- FEOTUS IN UTERO & FEOTO PELVIC RELATIONSHIP (JANEEN, JANEEN WA HAUZ E ANA KE TALUQQAT)
- NORMAL LABOR, MECHANISM AND MANAGEMENT (TABAI WAZA-EHAMAL, MIKANIA VA INTEZAMIA)
- ABNORMAL LABOUR AND ITS MANAGEMENT (GHAIR TABAI WAZA-EHAMAL AUR UNHKE INTEZAMAT)
- ABNORMAL PRESENTATIONS (GHAIR TABAI TATREEQAT)
- TWINS & MULTIPLE PREGNANCY (HAMAL -E- TAWAM VA HAMAL-E-ADEED) CONTRACTED PELVIS (MUNQABIZ ANA)

- MEDICAL ,SURGICAL AND GYNECOLOGICAL DISORDERS IN PREGNANCY HYPERTENSIVE DISORDERS IN PREGNANCY,EPILEPSY , ANAEMIA,HEART DISEASES,THYROID DISORDERS,RENAL DISORDERS,FEVERS ,VIRAL INFECTIONS,TUBERCULOSIS, RH ISOIMMUNIZATION,HYPEREMESIS GRAVIDARUM, CONSTIPATION, HAEMORRHOIDS, OEDEMA, PRURITUS VULVA, INSOMNIA, VARICOSITY , JAUNDICE, DIABETES MELLITUS, NEPHRITIS
- OBSTETRIC DISORDERS IN PREGNANCY ABORTION. (ISQAT), ECTOPIC PREGNANCY. (HAMAL KHARIJ URE REHAM), INTRA UTERINE GROWTH RETARDATION(IUGR), OLIGOHYDRAMNIOS. (QILATTE MAE AMNIOSI) AND POLYHYDRAMNIOS. (KASRAT-E-MAE AMNIOSI), ANTE PARTUM HAEMORRHAGE,,(JIRYAN-UD-DAM QABL WILADAT), POST PARTUM HAEMORRHAGE. (JIRYAN-UD-DAM BAD AZWILADAT), GESTATIONAL AND TROPHOBLASTIC DISEASES.
- PRETERM LABOR, PRETERM RUPTURE OF MEMBRANE, POST MATURITY, INTRA UTERINE FETAL DEATH (FAUT E JANEENI)
- NORMAL PERPUERIUM AND ITS COMPLICATIONS. (ZAMAN-E- NIFAS AUR USKE AWAREZAT)
- OBSTETRICAL PROCEDURES & OPERATIONS. VERSION (GARDISH), EPISIOTOMY (QATA-UL- AUJAAN), FORCEPS AND VACCUM DELIVERY. CAESAREAN SECTION (SHIGAAF-E-QAISREE), DESTRUCTIVE OPERATIONS (TAKHREESI DASTKARIYA).
- ASSESSMENT OF FETAL WELBEING (FOETAL SURVEILLANCE)
- DRUGS IN PREGNANCY
- NEONATAL CARE (NAUZADA KI NIGHAHDASHT) BREAST FEEDING (RAZA'AT), IMMUNIZATION SCHEDULE (MANAATI KHAKA), PREMATURE NEONATES, POSTMATURE NEONATES.
- NEONATAL DISEASES ASPHYXIA NEONATORUM (HABS-E-TANAFFUS), OPHTHALMIA NEONATORUM (AASHOB-E- CHASHME NAUMAULOOD), ICTERUS NEONATORUM (YARQANE NAUMAULOOD), CONVULSIONS (TASHANNUJ), CONGENITAL SYPHILIS (AATSHAK KHALQI),
- CONGENITAL ANOMALIES OF NEWBORN: HYDROCEPHALUS (MA UR RAAS), ANENCEPHALY (ADAM-E- DIMAGH), MICROCEPHALY (SIGHRUD DIMAGH), DOWN SYNDROME (HUMAQ), C. H.D. (CONGENITAL HEART DISEASES.