

SYLLABUS OF QABALAT WA NAU MAOLOOD

- **HAYAATI KIMIYA-WA-ITLAQI JANINIYAT (BIOCHEMISTRY AND GENETICS):**
- **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 ó AIDS, RHEUMATOID ARTHRITIS

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

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

3. EXTENSION TO MENDELIAN SEGREGATION PATTERNS:

4. MODIFICATION OF MENDELIAN RATIOS

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

6. BLOOD GROUP INCOMPATIBILITY EG:- RH ó 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

- **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.**

- **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-EBARAWRI, 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) (RIJAAø)**
- **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 6E- 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 (RAZA0AT), 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).