

### Merged Routine (Date-wise)

SL	Date	FCPS P-1 Basic Class Topic	DC Dutta & Jeffcoate Review Topic	
1	19.01.26	—	Obs 4,5	Must to read. Full chapter line by line mukhosto thakte hobe. Bookmarking dekhe mukhosto korben. Ghono ghono revise diben.
2	21.01.26	Blood Physiology	—	Must to read. Details class kore sheet dagaben. Tarpur suggestion er topic revise diben.
3	26.01.26	—	Obs 34,35; Gynae 30,32	Must to read. Bookmarking & handnote mukhsto rakhte hobe.
4	28.01.26	General & Respiratory	—	Nice to know. Class kore sheet suggestion porben.
5	02.02.26	—	Gynae 11,12,13	Must to read. Bookmarking pore handnote porben.
6	04.02.26	Upper Extremities	—	Nice to know. Shomoi kom thakle only suggestion porben.
7	09.02.26	—	Obs 2,3,17	Must to read. Concept clear kore porte hobe.

				Bookmarking & handnote revise diben.
8	11.02.26	Lower Extremities	—	Must to know but selective. Suggestion dekhe porben.
9	16.02.26	—	Gynae 3,4,28	Must to know. Concept clear kore bookmarking porben.
10	18.02.26	Embryology	—	Must to read. Details class kore sheet porben.
11	23.02.26	—	Gynae 8,29 (PCOS)	Must to read. Concept clear kore bookmarking & handnote porben.
12	25.02.26	Histology	—	Must to read. Class kore suggestion dekhe sheet porben.
13	02.03.26	—	Gynae 7; Obs 6	Must to know. Class kore bookmarking mukhosto rakhben.
14	04.03.26	Thorax & Breast	—	Nice to know. Class kore only suggestion porben.
15	09.03.26	—	Obs 8,9,24	Must to know but selective. Class kore only bookmarking porben.
16	11.03.26	Abdomen-1	—	Must to

		(GIT, Hepatobiliary, Abdominal Wall)		know. Full abdomen sheet mukhosto thakte hobe.
17	16.03.26	—	Gynae 16,25,26,27	Nice to know. Class kore bookmarking porben.
18	18.03.26	Abdomen-2 (GU, Perineum, Pelvic Organs)	—	Must to know. Full abdomen sheet mukhosto thakte hobe.
19	19.03.26	—	Gynae Ch-1 (Part-1)	Must to know. Concept clear kore full chapter porben.
20	20.03.26	Nervous System Physiology	—	Very much selective. Shomoi kom thakle class korar dorkar nai. Only suggestion topic porben sheet theke.
21	21.03.26	Gynae-oriented Basic Anatomy	—	Eta Gynae part-1 er basic anatomy suggestion class. Eta dekhe revise diben.
22	23.03.26	—	Gynae Ch-1 (Part-2), Ch-2	Must to know. Concept clear kore full chapter porben.
23	25.03.26	Head-Neck Anatomy	—	Very much selective. Shomoi kom thakle class korar dorkar

				nai. Only suggestion topic porben sheet theke.
24	26.03.26	—	Neoplasia Review-1	Must to know. Concept clear kore bookmarking & handnote porben.
25	27.03.26	Renal Body Fluid	—	Must to know. Details class kore full sheet porben.
26	30.03.26	—	Neoplasia Review-2	Must to know. Concept clear kore bookmarking & handnote porben.
27	01.04.26	Neuroanatomy	—	Very much selective. Shomoi kom thakle class korar dorkar nai. Only suggestion topic porben sheet theke.
28	02.04.26	—	Neoplasia Review-3	Must to know. Concept clear kore bookmarking & handnote porben.
29	03.04.26	GIT Physiology	—	Nice to know. Class kore only suggestion porben.
30	06.04.26	—	Obs 14,31,32,33	Nice to know. Class kore bookmarking porben.
31	08.04.26	Cell Injury,	—	Must to

		Cellular Adaptation & Genetics		know. Details class kore full sheet porben.
32	09.04.26	—	Obs 20 (Medical disorder in pregnancy)	Must to know. Concepr clear kore bookmarking & handnote porben.
33	10.04.26	Biochemistry	—	Must to know. Details porben.
34	13.04.26	—	Obs 27–30	Nice to know. Class kore bookmarking porben.
35	15.04.26	Inflammation, Healing, Hemodynamics & Tissue Repair	—	Must to know. Class kore details porben.
36	16.04.26	—	Gynae 14,15,17; Obs 18,19	Nice to know. Class kore details porben.
37	20.04.26	—	Puberty, Menopause	Must to know. Class kore bookmarking porben.
38	22.04.26	Neoplasm	—	Must to know but selective. . Class kore suggestion porben.
39	23.04.26	—	Obs 15,16,22,23	Must to know but selective. Class kore bookmarking porben.
40	24.04.26	General & Autonomic Pharmacology	—	Nice to know. Class kore suggestion porben.
41	27.04.26	—	Obs	Nice to know.

			7,10,11,12,13	Class kore bookmarking porben.
42	29.04.26	General & Systemic Bacteriology	—	Must to know. Details class kore full sheet porben. Suggestion dekhe revise diben.
43	30.04.26	—	Gynae 10,31; Obs 41	Must to know but selective. Class kore bookmarking porben.
44	01.05.26	Systemic Pharmacology	—	Not needed for part-1. Skip korben.
45	02.05.26	Gynae-oriented Pathology & Pharmacology	—	Eta Gynae part-1 er basic patho & pharma suggestion class. Eta dekhe revise diben.
46	06.05.26	Virology, Parasitology, Mycology	—	Must to read but selective. Class kore suggestion porben.
47	07.05.26	Gynae-oriented Basic Microbiology	—	Eta Gynae part-1 er basic micro suggestion class. Eta dekhe revise diben.
48	08.05.26	Endocrine Physiology	—	Must to read. Concept clear kore full sheet details porben.
49	13.05.26	Immunology	—	Must to read. Class kore details sheet porben.

50	15.05.26	CVS Physiology	—	Must to read selective topic. Class kore suggestion porben.
51	16.05.26	Gynae-oriented Basic Physiology	—	Eta Gynae part-1 er basic physiology suggestion class. Eta dekhe revise diben.

Jara daily 8-10 hrs porar shomoi paben tara all class korben. ( neuroanatomy, head neck, neurophysiology, systemic pharma bade).

Jara daily 4-5 hrs porar time paben tara all dc dutta clinical class korben. Sathe basic abdomen, embryology, gynae oriented anatomy, endocrinology, body fluid electrolytes, gynae oriented physiology, cell injury, inflammation, healing hemodynamic, gynae oriented pathology, basic bacteriology, virology, immunology, endocrinology, microbiology, gynae oriented micro & pharma – basic er ei class gulo korben.

Jara daily 2-3 hrs porte parben- tara dc dutta ' must porte hobe' class gulo sesh korben. Basic only gynae oriented basic class gulo kore suggestion gulo sheet theke porben. Less important topic gulo apnader aladavabe revision class neya hobe june mashe.

Part-1 ংক্ষামের জন্য করণীয়:

- 1) Part-1 ংনেই বুঝে পড়া। না বুঝে দাগানো বই/ শীট মুখস্ত করা যাবেনা।
- 2) ংকটা 'পারিনা' খাতা maintain করা।
- 3) টেবিলে বেশি বই না রাখা।
- 4) বেশি বেশি ংক্ষাম দেয়া।
- 5) শান্ত থাকা।

Booklist:

1. Dc Dutta Obs 11<sup>th</sup> edition.
2. Dc Dutta Gynae 9<sup>th</sup> edition.
3. Basic synapse sheet.
4. Netter Atlas.

# BASIC SUGGESTION

---

DR. MAHMUDA SHARMIN

MBBS, FCPS (PART I)

# MARK DISTRIBUTION

Topic	Marks
Anatomy and histology	35-38
Embryology	5-10
Genetics	4-5
Biophysics	2-3
Biostatistics	3-5
Physiology	30-35
Pharmacology	5-10
Biochemistry	10-15
Pathology	30-35
Microbiology	15-20

---

# ANATOMY

# ABDOMEN

---

## I. Abdomen \*\*\*\*\*

- ✓ Pelvic organ and perineum ( supf & deep perineal pouch, anal triangle, urogenital triangle, pelvic diaphragm, urogenital diaphragm, perineal body, ischiorectal fossa, pudendal canal.)
- ✓ Urinary system ( kidney, ureter, urinary bladder, urethra)
- ✓ GI tract- Rectum & anal canal, Jejunum vs ileum, Small gut vs large gut .
- ✓ Liver, Spleen, Pancreas, Kidney, Suprarenal gland

# ABDOMEN (CONTINUED)

---

2. Abdominal wall – layers, rectus sheath, conjoint tendon, transversus abdominis, Hesselbach triangle, blood vessels (abdominal aorta, IVC, portal vein, portocaval anastomosis)
3. Peritoneum – retro, intra, extraperitoneal organ, hepatorenal pouch, mesentery, pouch of Douglas, Epiploic foramen.
4. Nerve and lymphatics of whole abdomen.

# THORAX

---

1. Breast \*\*\*\*

Basic, Obs 1, Gyn 34

2. Diaphragm

3. Heart

4. Lung

5. Mediastinum

6. Thoracic duct

7. Nerve and vessels- Phrenic, Vagus nerve, Azygous vein.

# SUPERIOR EXTREMITY

---

- Axilla
- Brachial plexus
- Carpal tunnel syndrome
- Erb's palsy, Klumpke's palsy (obs 33)

# INFERIOR EXTREMITY

---

- Inguinal ligament, inguinal canal, inguinal hernia, inguinal ring
- Femoral triangle, Femoral sheath, femoral canal
- Greater sciatic and lesser sciatic foramen
- Nerve injury- Sciatic, Common peroneal, Obturator, femoral nerve.
- Adductor canal.
- Thigh compartment muscle.
- Lumbar & sacral plexus. Great saphenous vein- course.

# HEAD & NECK, NEUROANATOMY

---

Anatomical parts of brain, anatomy of thyroid and pituitary gland.

Neuron and Neuroglia , neurotransmitter.

Internal capsule ,

Corpus callosum ,

Reticular formation ,

Cerebellum (Nucleus, function),

Circle of Willis , blood supply of brain.

CSF , meningeal layer fold.

# EMBRYOLOGY

---

- Spermatogenesis, Oogenesis, Ovulation, Fertilization
- Germ layer derivatives
- Pharyngeal arches and pouches, clefts derivatives,
- Stages of prophase of miosis.

# HISTOLOGY

---

- Cell- Nucleus, mitochondria, Golgi complex, ribosome ,
- Membranous and non-membranous organelle.
- Cytoskeleton- Microtubules, Microfilaments, Intermediate filaments (location, function)
- Intercellular junction
- Microvilli, Cilia, Flagella – location and function
- Cell cycle and division\*\*\*\*
- Epithelial, Connective tissue characteristics

# HISTOLOGY (CONTINUED)

---

- Cartilage- classification & differences, Joints – classification.
- Myoepithelial cells
- Skeletal, Cardiac and smooth muscle
- Skin layers and histology
- Whole body lining epithelium\*\*\*\*
- Classification of capillaries and blood vessels.

# GENETICS

---

- Mendelian disorders- characteristics and example
- Mutation, Barr body
- Down, patau, Edward, turners, klinefelters syndrome.

# BIOSTATISTICS

---

Variable, Data- Classification, Criteria

Sampling , data presentation.

Central tendency - Mean, Median and Mode calculation.

Percentiles.

Measures of location, measures of dispersion .

Study design

Probability, Significance tests, para-metric & nonparametric test.

# PHARMACOLOGY

---

- General pharmacology ( factors of absorption and bioavailability, metabolism of drug, enzyme inducer and inhibitor, prodrug, teratogenic drug, drugs safe in pg and breastfeeding.)
- Autonomic pharmacology ( receptors- site and function, classification and name of beta blocker.)

# BIOCHEMISTRY

---

Rate limiting enzyme of all reaction.

Metabolic pathway in mitochondria , cytoplasm and both.

Source and fate of pyruvate, acetylc CoA, ammonia.

Glycolysis pathway – details.

Salient features- TCA cycle, gluconeogenesis, hmp shunt, TAG synthesis, lipolysis, oxidation of FA to acetylc CoA, Cholesterol synthesis, urea cycle.

Metabolic fuel.

# PATHOLOGY

---

1. Cell injury and adaptation – features of reversible & irreversible cell injury, necrosis & apoptosis- details. Dystrophic & metastatic calcification, Cellular aging, cellular adaptation- examples, free radicles.
2. Inflammation- vascular and cellular changes, exudate vs transudate, chemotaxis, phagocytosis, vasoconstrictors & dilators, granulomatous inflammation, granuloma classification.

# PATHOLOGY

---

3) Healing , Repair, Hemodynamics- Labile , stable, permanent cells. Granulation tissue, hyperemia and congestion, DIC, Hypercoagulable states, thrombosis- virchows triad, Embolism, infarction, shock.

4) Neoplasia- anaplasia, dysplasia features, paraneoplastic syndrome, FNAC, histopathology, fixatives.

# GENERAL BACTERIOLOGY

---

Structure, Classification

Growth curve

Endotoxin vs exotoxin

Normal flora- skin, nose, genital tract

Vaccine

Sterilization

Transmission

Anti-microbial agent

# SYSTEMIC BACTERIOLOGY

---

- Strepto, staphylo
- Neisseria, corynebacterium
- Bacillus, Clostridium
- Listeria, trponema , actinomycetes
- E. coli, klebsiella. Pseudomonus
- Mycoplasma. Chlamydia, mycobacterium

# VIROLOGY

---

1. General virology- structure, classification, transmission, vaccine, oncogenic virus
2. Systemic virology- hepatitis, rubella, measles, cmv, varicella, influenza, parbovirus, hsv, mumps, dengue, corona, chikungunya.

# MYCOLOGY AND PARASITOLOGY

---

1. Mycology- classification, candida details
2. Parasitology- Malaria, toxoplasma, trichomonas , giardia.

# IMMUNOLOGY

---

1. Hypersensitivity
2. Immunoglobulins
3. Complement
4. Innate vs acquired immunity
5. Primary vs secondary immunity
6. Active vs passive immunity, humoral vs cell mediated.
7. Cells of innate and adaptive immunity, apc, nk cells.
8. Live vs killed vaccine

# ENDOCRINOLOGY

---

- Hormone classification.
- Mechanism of action of hormone.
- Prolactin
- Thyroid hormone, PTH
- Effect on metabolism of different hormone.
- Diurnal variations, life saving , stress hormone.
- Insuline sensitive and insensitive cell.
- cortisol: hemopoietic function, permissive action.

# RENAL , FLUID, ELECTROLYTES

---

- Peculiarities of renal blood flow.
- Juxtaglomerular complex.
- GFR
- Hormone secreted from kidney , hormone act on kidney.
- Reabsorption & secretion : PCT, DCT,CD
- Causes of hyponatremia, hypernatremia, hypokalemia, hyperkalemia.
- Causes of respiratory acidosis, alkalosis, metabolic acidosis, alkalosis.
- Causes of increased anion gap.

# CVS

---

- Cardiac cycle
- Vasoconstrictor and vasodilators.
- Classification of blood vessels , cross sectional area.
- Regulation of BP.

# HEMATOLOGY

---

- Iron deficiency anemia, iron metabolism and absorption, thalassemia.
- Blood clotting factors
- Hemostasis
- Intrinsic and extrinsic pathway
- DIC

# RESPIRATORY

---

- Intra-alveolar/ intrapulmonary, intrapleural pressure.
- JVP, CO, hrt rate, hrt sound change with inspiration & expiration.
- Surfactant.
- Apex vs base
- Lung compliance ,
- Peculiarities of pulmonary circulation.
- Volume & capacity.
- FEV1/ FVC ratio, respiratory centre.
- O<sub>2</sub>-hb dissociation curve, High altitude vs acclimatization.

---

## GIT

- Action of local hormones.
- Factors related to gastric emptying.
- Bile.

## NEUROPHYSIOLOGY

- Nerve fibre type & function.
- Neurotransmitter.
- Functional classification of sensory receptor.
- Anterior, lateral, dorsal column- name & function.
- UMNL vs LMNL
- Cerebellar lesion

# THANK YOU

---

***Most Important chapter from DC Dutta***

**Anatomy-**

1. Obs chapter- 1(breast),9(maternal pelvis)boxes,24(table 24.1 & 24.2),37(episiotomy)
2. Gynae chapter- 1(bartholin gland,uterus,ovary,perineum),2,16(supports of uterus),25 (anatomy of vesicourethral unit),34(breast)

**Embryology-**

1. Obs chapter-2,3,17
2. Gynae chapter- 3,4

**Genetics-**

1. Obs chapter- 12,33(down syndrome)
2. Gynae chapter- 28

**Biophysics-**

1. Obs chapter- 7(table 7.1 & 7.2),11,41
2. Gynae-10,31

**Physiology -**

1. Obs chapter- 4,5,6,13(upto contractile system of myometrium), 14,23(RH iso immunization)
2. Gynae chapter- 5,6,7,8,29(pcos)

**Biochemistry -**

1. obs chapter-15

**Microbiology-**

1. obs chapter-20,39(obs immunology)
2. Gynae chapter-11,12,13

**Pharmacology-**

1. Obs chapter -34
2. Gynae chapter-30,32

**Pathology-**

1. Obs chapter-16,17,18,19,20,30
2. Gynae chapter-14,18-24,29



**SYNAPSE**  
MEDICAL ACADEMY

# FCPS P-1 GYNAE & OBS Syllabus

---



---

SYNAPSE MEDICAL ACADEMY

# GYNECOLOGY SYLLABUS

## LEARNING CONTENTS

### Paper-I

ANATOMY & HISTOLOGY, EMBRYOLOGY, GENETICS, BIOPHYSICS, STATISTICS & EPIDEMIOLOGY

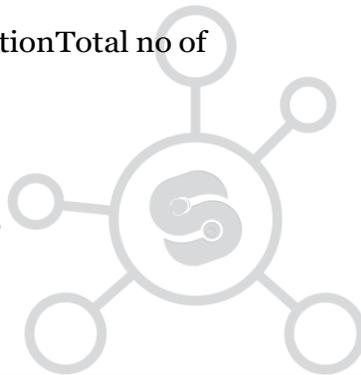
#### Format of examination

It will comprise of written examination Total no of

Question -150

Multiple choice question (MCQ) - 75

Single best answer (SBA) - 75



#### Distribution of questions are as follows

Anatomy & histology	35-38
Embryology	5-10
Genetics	4-5
Biophysics	2-3
Statistics & epidemiology	3-5

#### ANATOMY & HISTOLOGY

##### The Abdomen:

Abdominal wall Diaphragm

Gastrointestinal tract Urinary tract

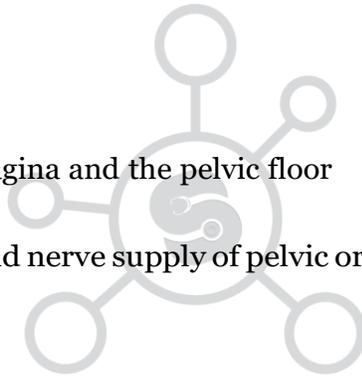
Pancreas, spleen and liver Peritoneal

arrangements Abdominal blood supply

Blood supply of the pelvis  
The hepatic portal system  
Abdominal lymphatics  
The lymph nodes of the abdomen  
Autonomic nerve supply of the abdominal and pelvic organs  
The systemic nerves.

### **The Pelvic organs:**

Ovary  
Fallopian tube  
Uterus  
Vagina  
Vulva & Perineum  
Rectum and anal canal  
Bladder  
Urethra  
The supports of the uterus, vagina and the pelvic floor  
The bony pelvis  
Blood supply - lymphatic's and nerve supply of pelvic organs



### **The breast:**

Embryology  
Breast development at puberty  
Macroscopic anatomy  
Histology  
Blood supply  
Lymphatic's  
Anatomical relations  
Anatomical principle and basic anatomy of Cardiac, Respiratory, Alimentary, Urinary  
Nervous and Endocrine System.

### **The Histology:**

Structure and function of the normal cells  
Intercellular matrix  
Different types of cell damage including those due to radiation  
Chromosomes, introduction on chromosome

### **EMBRYOLOGY:**

Oogenesis, spermatogenesis and organogenesis

Oogenesis

Spermatogenesis

Fertilization, transportation and implantation

Early development of the embryo

Organogenesis

The Genital organs and urinary system

The uterus and tubes

The vagina

External genitalia

The development of the gonads

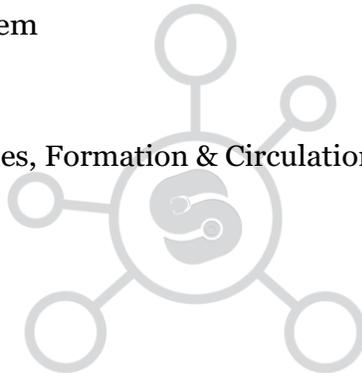
Development of male genital system

Development of urinary system

Development of the placenta

Theplacental bed

Development of the Membranes, Formation & Circulation of Amniotic Fluid



## **GENETICS:**

Molecular Genetics

Gene structure and function

Character of human DNA

Restriction endonucleases

Analysis of DNA by electrophoresis

Sexual differentiation and abnormal sexual differentiation

The molecular basis of inherited disease

DNA mutation

Patterns of inheritance

Genetic / Environmental interaction

## **BIOPHYSICS**

Principles of Ultrasound

Principles of use of X-ray and radioactive substances

Magnetic resonance imaging (MRI)

Therapeutic use of other physical agents- heat, freezing, laser etc.

## **STATISTICS & EPIDEMIOLOGY:**

Introduction

Variability

Frequency distributions

Central tendency

Dispersions

Shapes of distributions

Probability distributions

Sampling

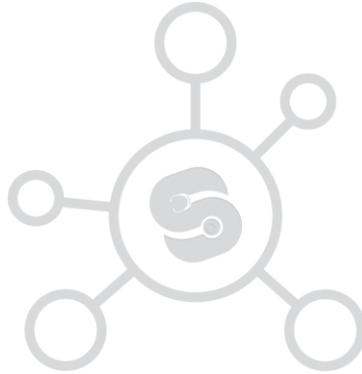
Significance test

The 't' Test

Paired difference 't' testi

The  $X^2$  test

Research design



## PAPER-II

### PHYSIOLOGY, BIOCHEMISTRY, PHARMACOLOGY, ENDOCRINOLOGY

Distribution of questions are as follows	
Physiology	20-25
Biochemistry	10-15
Pharmacology	5-10
Endocrinology	10-15

#### Physiology

Biophysical definitions

Water and Electrolytes Dynamics

Transport Mechanisms

Aids-base balance

The cardiovascular system

The conducting system of the heart

Factors affecting heart rate

The electrocardiogram

Pressure and oxygen saturations in the cardiac chambers

Hemodynamic events in the cardiac cycles and their clinical correlations

Control of stroke volume

Changes in blood volume and cardiac output in pregnancy.

Blood flow and blood pressure control

The autonomic nervous system and blood pressure control

Local control of blood flow

Hemodynamic changes in pregnancy

Respiration

Physiology of Respiration

Oxygen and carbon dioxide transport

Changes in respiratory system during pregnancy

The Urinary system

Introduction

Microanatomy

Clearance

Glomerular filtration

Renal blood flow

Handling of individual substances

The effect of pregnancy

Physiology of maturation

Changes of urinary system during pregnancy

The gastrointestinal tract

Mechanics

Digestive process

Changes of digestive system during pregnancy

Nutrition

Calorimetry

Food tuffs

Minerals

Vitamins

Fiber

Nutrition during pregnancy and lactation

The liver

Anatomical considerations Metabolic functions

Bile

Miscellaneous functions

Bone & Calcium metabolism

The nervous system

The somatic nervous system

The autonomic nervous system

Chemical Transmission in Nerve Endings

The Blood - Physiology of Blood



Iron and folic acid metabolism in pregnancy

Haemostasis and blood coagulation

Blood Group and rhesus incompatibility

## **BIOCHEMISTRY**

Proteins, Peptides and Amino Acids

Introduction

Amino acids

Structure of proteins

Purification and analysis of proteins

Modification Of protein structure

Metabolism - Principle of Carbohydrate and Fat Metabolism

Overall energy metabolism

Glycolysis (Aerobic/Anaerobic)

Citric acid cycle

Respiratory chain

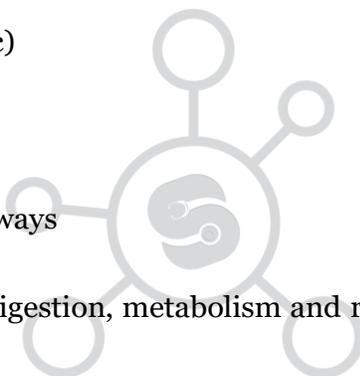
Fatty acid oxidation

Regulation of metabolic pathways

Urea cycle

Enzymes Role of Enzyme in digestion, metabolism and reproduction

Enzyme kinetics



## **PHARMACOLOGY:**

The language of clinical pharmacology

Pharmacokinetics

Pharmacodynamics

Factors which influence drug action

Drug interactions

Impaired renal function

Liver disease

Age

Therapeutic drug monitoring

Pharmacology of some commonly used drugs

Beta adrenoceptor antagonists

Diuretics

Vasodilators

Antimicrobials

Oral contraceptives

Anticoagulants and antiplatelet drugs  
Analgesia and anaesthesia  
Opioid analgesics  
Local anaesthetics  
Inhalation anaesthetic agents  
Anaesthetic agents for general anaesthesia  
Neuromuscular blocking drugs  
Drugs which influence uterine activity  
Prostaglandins  
Oxytocin  
B2 adrenoceptor agonists  
Ergometrine  
Hormone and antihormones used in Obst./Gynae.  
Drugs in pregnancy  
Placental transfer  
Influence of pregnancy on dose requirements  
Drugs given later in pregnancy.  
Drugs and breast feeding.  
Drugs of abuse  
Antimitotic drugs- Pharmacokinetics, action and toxicology

### **ENDOCRINOLOGY:**

The hypothalamus, pituitary, pineal body, & gonads  
Regulation of menstrual cycle  
Gonadal Steroid hormones  
Synthesis and excretion  
Binding in blood and tissues  
Metabolism and excretion  
Ovarian function in the adult and its control  
Testicular function in the adult and its control  
Physiology and Endocrinology of Puberty and Menopause  
The adrenal glands  
The adrenal cortex  
The adrenal medulla  
The thyroid gland  
Iodine metabolism  
Control of thyroid secretion  
Thyroid function tests  
Thyroid function in pregnancy  
The pancreas (Islets of Langerhans)  
Placental Endocrinology

## PAPER-III

### PATHOLOGY, MICROBIOLOGY, IMMUNOLOGY

Distribution of questions are as follows	
Pathology	30-35
Microbiology	10-15
Immunology	5-8

#### PATHOLOGY:

General pathology

Wound healing

Tissues response to infection trauma, burn and radiation

Body's response to blood fluid and electrolyte loss

Neoplasia of reproductive organs

General characteristics of neoplasia

Gynaecological neoplasia

Cytopathology of reproductive organs

#### MICROBIOLOGY (in relation to Obst./Gynae. :

Bacteria

Mycoplasmas

Rickettsiae

Chlamydiae

Viruses

Fungi

Protozoa

Helminths (worms)

## **IMMUNOLOGY:**

Introduction

The innate immune system

The acquired immune system

Organisation of the lymphoid system

Cellular elements of adaptive immunity

Humoral elements of adaptive immunity

Immunogenetics and the principles of antigen recognition

Immune response interactions

Maternofetal immunology

Immunopathology

