



## **SYLLABUS FOR DIPLOMA IN OBSTETRICS & GYNAECOLOGY (D.G.O.)**

A post graduate student acquires the knowledge of the pathophysiology of reproductive system and is able to manage the pathological states affecting it.

During the study period 6 monthly assessment report is to be forwarded by guide through HOD & Dean to University about the observed progress. Student should not allow to appear for examination if found not satisfactory by local academic committee.

### **OBSTETRICS :**

1. Basic sciences of Reproduction & Applied Anatomy of genitourinary system, abdomen, pelvis, pelvic floor, anterior abdominal wall, breast in obstetrics
  - Reproductive Anatomy
  - Gametogenesis fertilization, implantation & early development of human embryo.
  - Fetal growth & development
  - Birth defects, Genetics & teratology & counselling.
  - Physiological changes during pregnancy.
  - Endocrinology of pregnancy.
2. Normal pregnancy, labour & puerperium.  
  
Breast feeding, baby friendly initiative
3. Early recognition and prompt management of pregnancy complications, -  
  
Hyper emesis gravid arum, abortions, ectopic pregnancy, hydatidiform mole, pre-eclampsia, eclampsia, antepartum hemorrhage, multiple pregnancy, polyhydramnios, Oligohydramnios & Prolonged pregnancy.
4. Management of pregnancies complicated by medical, surgical or gynaecological diseases, in consultation with the concerned specialties by team approach.

5. Anemia, Heart disease, diabetes mellitus, liver disorders, Respiratory diseases, Renal diseases, Hypertensive disorders.
  - Acute abdomen, Acute Appendicitis, Intestinal obstruction,
  - Fibroids, Ovarian tumors, Carcinoma cervix, genital prolepses.
6. Infections in pregnancy.

Malaria, Toxoplasmosis , viral infections( Rubella, CMV, Hepatitis B, Herpes) syphilis and other sexually transmitted infections including HIV. Parents to child transmission of HIV infection (PPTCT programme).
7. Evaluation of the fetal and maternal health in complicated pregnancy by making use of available diagnostic modalities and plan for safe delivery of the fetus while safeguarding the maternal health.
8. Prenatal diagnosis of fetal abnormalities and appropriate care.
9. Partographic monitoring of labour progress, early recognition of dysfunctional labour and appropriate interventions during labour including active management of labour.
10. Obstetrical analgesia and anesthesia.
11. Induction and augmentation of labour.
12. Management of abnormal labour : Abnormal pelvis and soft tissue abnormality in maternal passage, Malpresentation and Malpositions of fetus, abnormal uterine action, obstructed labour, cervical dystocia. Third stage complications - PPH including surgical management, retained placenta, uterine inversion, post partum collapse, amniotic fluid embolism.
13. Abnormal puerperium, Puerperal sepsis Thrombophlebitis, Mastitis, Puerperal venous sinus thrombosis, Psychosis.
14. National Health Programmes to improve the maternal and child health, social obstetrics and vital statistics.
15. Drugs used in obstetric practice including prostaglandins. *F.D.A. Classification*
16. Coagulation disorders in obstetrics, Blood and component therapy.



17. Operative obstetrics - decision making, technique, recognition and management of complications - C.S. instrumental delivery, obstetrics hysterectomy, history of destructive surgery. Manipulations-version, MRP etc.
18. Intensive care in obstetrics for critically ill patient. Fluid and electrolyte balance, volume status maintenance, protecting vital organ function.
19. Provision of safe abortion services - selection of case, techniques, and management of complications.

**NEW BORN :**

1. Care of newborn. care of preterm, S.G.A. neonates, infants of diabetes mother
2. Asphyxia & Neonatal resuscitation.
3. Neonatal sepsis - prevention, early detection & management.
4. Neonatal hyperbilirubinemia, investigation and management.
5. Birth trauma - prevention, early detection & management.
6. Detection of congenital malformations in new born and make timely referrals for surgical corrections.
7. Management of the common problems in neonatal period.

**GYNAECOLOGY :**

1. Physiology of menstruation, common menstrual disorders and their management. Medical & surgical.
2. Diagnosis and surgical management of clinical conditions related to congenital malformations of genital tract.
3. Chromosomal abnormalities and intersex.
4. Reproductive Endocrinology: Evaluation of primary and secondary amenorrhea, management of hyperprolactinemia, Hirsutism, chronic anovulation and PCOD.
5. Endometriosis and adenomyosis - medical and surgical management.
6. Infertility evaluation and management. Use of ovulation induction methods. Tubal microsurgery



7. Reproductive Tract Infections Sexually Transmitted Infections, HIV/AIDS: Prevention, Diagnosis and management.
8. Genital Tuberculosis.
9. Benign and malignant tumors of genital tract - Early diagnosis and management.
10. Principles and practice of oncology in gynaecology - chemotherapy, radiotherapy, palliative treatment.
11. Supports of pelvic organs, genital prolapse, surgical management of genital prolapse.
12. Common urological problems in gynaecology - SUI, voiding difficulties, VVF.
13. Management of menopause, prevention of complications, HRT, cancer screening - genital, breast.
14. Recent advances.
15. Newer diagnostic aids - USG, and other imaging techniques, endoscopies.
16. Hysteroscopy, laparoscopy - diagnostic, simple surgical procedures, including laparoscopic tubal occlusion, colposcopy.
17. Medico legal aspects, ethics, communications and counselling.
18. Operative gynaecology - Selection of case technique and management of complications of minor and major gynaecology procedures.

Abdominal and vaginal hysterectomy Surgical procedures for genital prolapse

Surgical management of benign and malignant genital neoplasms.

#### **FAMILY PLANNING :**

1. Demography and population Dynamics.
2. Contraception - Temporary methods, Permanent methods. Legal issues
3. MTP Act and procedures of MTP in first & second trimester.
4. Emergency contraception.
5. Recent advances in contraceptive technology.

#### **Recent Advances in Obst. & Gyn.**

1. To teach how to access Cochrane library.
2. To teach how to go for reference from the library.



D. Y. Patil University

## SCHEME OF THEORY EXAMINATION FOR D.G.O. EXAMINATION

### UNIVERSITY EXAMINATIONS

After successful completion 2 Years' residency

**Theory Examination:** Each paper 100 marks – 3 hrs duration

Sections with marks	
Paper I	Obstetrics including the diseases of newborn. 4 questions of 25 marks each Total = 100 marks
Paper II	Gynaecology, gynaecological pathology & operative gynaecology. 4 questions of 25 marks each Total = 100 marks
Paper III	Medical and surgical diseases complicating obstetrics & gynaecology , social obstetrics & gynaecology including MCH & F.W 4 questions of 25 marks each Total = 100 marks
<b>TOTAL THEORY = 300</b>	

Minimum passing marks in each head 40% and aggregate: 50% in all papers

### Practical Examination:

Sr. No.	Description	Marks
1	2 Obstetric cases	50 each = 100
2	2 Gynaec cases	50 each = 100
3	10 Spots 5 marks each	50
Viva	Viva Obstetrics	25
	Viva Gynaec	25
	<b>TOTAL PRACTICAL</b>	<b>300</b>

Minimum passing marks: 50% separate in clinicals and viva



### Recommended Books

#### OBSTETRICS

Sr. No	Must Read	Desirable to Read	Good to read
1	C.S.Dawn's Text book of Obstetrics and Neonatology	Medical Disorders in Pregnancy by De Swiet	
2	Ian Donald Practical obstetrics problema	Williams Text book of Obstetrics	
3	Arias, High Risk Pregnancy	Recent Advances in Obst/Gyn	FOGSI Books
4	Operative Obstetrics by Munro-Kerr	Progress in OBGY, Studd	

#### GYNECOLOGY

Sr. No	Must Read	Desirable to Read	Good to read
1	Novacs Gynecology Jeffcoat's Principle of Gynaecology Gynecology	Reproductive Endocrinology by Speroff	Infertility by Insler
2	TeLindes Operative Gynecology		Everything available on net
3	C.S.Down Textbook of gynecology and contraception	Gynecology by P.K.Devi	FOGSI Books.

#### FAMILY PLANNING

Sr. No	Must Read	Desirable to Read	Good to read
1	Family Planning Practices by SK Chaudhary	Reproductive endocrinology by Speroff	Dawns book on Contraception
			Everything available on net

#### JOURNALS/ PERIODICALS

Sr. No	Must Read	Desirable to Read	Good to read
1	J. Obst. Gyn India	Clinic in Obst. & gynecology	Year books
2		North Americal clinic in ObGy	Annuals