

## Syllabus and Examination pattern for Post - Graduate Medical Courses

### NOTIFICATION

Ref. :

- (1) Medical Council of India Regulation on Graduate Medical Education, 1997.
- (2) Amendment of the regulations on graduate medical education notified by Government of India from time to time :
  - a. Gazette Notification dated 29.05.1999.
  - b. Notification no. MCI-37 (2)/2001/Med-922, dated 12.04.2001.
  - c. Notification no. MCI-26 (3)/2003/Med-18503, dated 26.09.2003.
  - d. Notification no. MCI-26 (3)/2003/Med-20958, dated 15.10.2003.

*In exercise of the powers, conferred under section 26 of Krishna Institute of Medical Sciences Deemed University, the Board of Management in its meeting held on 27<sup>th</sup> June, 2006, has been pleased to approve the Bye-law pertaining to Post Graduate Medical courses as given in schedule here to Annexed.*

*The Bye-law as above shall be effective for the students admitted to Post Graduate Medical courses from the academic year 2006-07 onwards.*

**By Order  
Registrar**

1. This byelaw shall be called Syllabus and Examination pattern for Post-Graduate Medical Course.

### **Diploma In Obst. & Gynaecology (D.G.O.)**

A postgraduate 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 reports is to be forwarded by guide through HOD & Dean to MUHS 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.
  - a. Reproductive Anatomy.
  - b. Gametogenesis fertilization, implantation & early development of human embryo.
  - c. Fetal growth & development.
  - d. Birth defects, Genetics & teratology & counselling.
  - e. Physiological changes during pregnancy.
  - f. 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.

- a. Anemia, Heart disease, diabetes mellitus, liver disorders, Respiratory diseases, Renal diseases, Hypertensive disorders.
  - b. Acute abdomen, Acute Appendicitis, Intestinal obstruction.
  - c. Fibroids, Ovarian tumors, Carcinoma cervix, genital prolepses.
5. 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).
  6. 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.
  7. Prenatal diagnosis of fetal abnormalities and appropriate care.
  8. Partographic monitoring of labour progress, early recognition of dysfunctional labour and appropriate interventions during labour including active management of labour.
  9. Obstetrical analgesia and anesthesia.
  10. Induction and augmentation of labour.
  11. 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.
  12. Abnormal puerperium, Puerperal sepsis Thrombophlebitis, Mastitis, Puerperal venous sinus thrombosis, Psychosis.
  13. National Health Programmes to improve the maternal and child health, social obstetrics and vital statistics.
  14. Drugs used in obstetric practice including prostaglandins. F.D.A. Classification
  15. Coagulation disorders in obstetrics, Blood and component therapy.
  16. Operative obstetrics - decision-making, technique, recognition and management of complications - C.S. instrumental delivery, obstetrics hysterectomy, history of destructive surgery. Manipulations-version, MRP etc.
  17. Intensive care in obstetrics for critically ill patient. Fluid and electrolyte balance, volume status maintenance, protecting vital organ function.
  18. 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 newborn and make timely referrals for surgical corrections.
7. Management of the common problems in neonatal period.

**Gynecology:**

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.

#### Recommended Books

##### Obstetrics

##### *Must Read*

C.S.Dawn's Textbook of Obstetrics and Neonatology.  
Ian Donald Practical obstetrics problema.  
Arias, High Risk Pregnancy.  
Operative Obstetrics by Munro-Kerr.

##### *Desirable to Read*

Medical Disorders in Pregnancy by De Swiet.  
Williams Text book of Obstetrics.  
Recent Advances in Obst/Gyn.  
Progress in OBGY, Studd.

##### *Good to read*

Every thing available on net.  
FOGSI Books.

## Gynecology

### *Must Read*

Novacs Gynecology, Jeffcoat's Principle of Gynaecology.  
TeLindes Operative Gynecology  
C.S.Down Textbook of gynecology and contraception.

### *Desirable to Read*

Reproductive Endocrinology by Speroff.  
Gynecology by P.K.Devi

### *Good to read*

Infertility by Insler.  
Every thing available on net.  
FOGSI Books.

## Family Planning

### *Must Read*

Family Planning Practices by SK Chaudhary.

### *Desirable to Read*

Reproductive endocrinology by Speroff

### *Good to read*

Dawns book on Contraception.  
Every thing available on net.

## Journals/ Periodicals

### *Must Read*

J. Obst. Gyn India.

### *Desirable to Read*

Clinic in Obst. & gynecology.  
North Americal clinic in ObGy

### *Good to read*

Yearbooks.  
Annuals.

## Scheme Of Examination

### **Theory:**

3 papers, 100 marks each. Duration 3 hours.

### **Paper I:**

Obstetrics including the diseases of newborn.

### **Paper II:**

Gynaecology, gynaecological pathology & operative gynaecology.

### **Paper III:**

Medical and surgical diseases complicating obstetrics & gynaecology,  
social obstetrics & gynaecology including MCH & F.W.

\*Include the basic sciences and recent advances in the subject.

Each paper will have following pattern-

- |   |          |
|---|----------|
| 1. Long question carrying                 | 20 Marks |
| 2. Long question carrying                 | 20 Marks |
| 3. Six short notes carrying 10 Marks each | 60 Marks |

**Parctical**

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|----------------|------------|----------|
| 1. Onstetric:  | Long case  | 50 Marks |
|                | Short case | 25 Marks |
| 2. Gynecology: | Long cse   | 50 Marks |
|                | Short case | 25 Marks |

**Table Viva**

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|-------------|--------------------------------------|----------|
| Obstetric:  | Instrumental                         | 20 Marks |
|             | Dummy                                | 20 Marks |
|             | Druges & Imaging technique specimens | 15 Marks |
| Gynecology: | Instrumental                         | 20 Marks |
|             | Drugs                                | 20 Marks |
|             | Family Planning specimens            | 15 Marks |