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.

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 27th 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.

Obst. & Gynaecology
(M.D.)

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
   a. Applied Anatomy in females of genito urinary system, abdomen, pelvis, pelvic floor, anterior abdominal wall and breast.
   b. Anatomy of fetus.
2. Early recognition and prompt management of pregnancy complications, Hyperemesis gravidarum, abortions, ectopic pregnancy hydatidiform mole, Pre eclampsia, eclampsia, Pathophysiology of PIH, Antepartum hemorrhage, multiple pregnancy, polyhydramnios, Oligohydramnios &Prolonged pregnancy.
4. Management of pregnancies complicated by medical, surgical or gynaecological diseases, in consultation with the concerned specialities by team approach.
• Anemia, Heart disease, diabetes mellitus, liver disorders, Respiratory diseases, Renal diseases, CNS disorder, Skin, Psychiatry Hypertensive disorders.
• Acute abdomen, Acute Appendicitis, Intestinal obstruction, perforations.
• Fibroids, Ovarian tumors, Carcinoma cervix, genital prolapse.
• Recent advances in medical and surgical management.


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. Identification of fetus at risk and management. High-risk pregnancy - Post caesarean pregnancy, prolonged gestation, preterm labour, fetal growth restriction, premature rupture of membranes, blood group incompatibility, recurrent pregnancy wastages. Imaging techniques, CTG.


8. Partographic monitoring of labour progress, early recognition of dysfunctional labour and appropriate interventions during labour including active management of labour.


10. Induction and augmentation of labour.


13. National Health Programmes to improve the maternal and child health, social obstetrics and vital statistics. (Maternal and Perinatal mortality).

14. Drugs used in obstetric practice including prostaglandins. FDA Classification.

15. Coagulation disorders in obstetrics, Blood and component therapy.


17. Intensive care in obstetrics for critically ill patient. Fluid and electrolyte balance, volume status maintenance, protecting vital organ function.


New Born

2. Asphyxia & Neonatal resuscitation (Respiratory distress syndrome and Meconium aspiration syndrome).
4. Neonatal hyperbilirubinemia, investigation and management.
5. Birth trauma - prevention, early detection & management.
7. Management of the common problems in neonatal period.

**Gynecology:**

**Basic sciences**


1. Physiology of menstruation and ovulation
   - Physiology of spermatogenesis
   - Endocrinology - hypothalamus pituitary, thyroid and adrenal glands
   - Neurotransmitters
   - Common menstrual disorders and their management.

2. Diagnosis and surgical management of clinical conditions related to congenital malformations of genital tract. Reconstructive surgery in gynaecology.


4. Reproductive Endocrinology: Evaluation of primary and secondary amenorrhoea, management of hyperprolactinemia, Hirsutism, chronic anovulation and PCOD. Thyroid dysfunction.

5. Endometriosis and adenomyosis - medical and surgical management.


8. Screening for genital malignancies - cytology, colposcopy and biochemistry.

9. Benign and malignant tumors of genital tract - Early diagnosis and management.


11. Supports of pelvic organs, genital prolapse, surgical management of genital prolapse.


14. Recent advances.

15. Newer diagnostic aids - USG, interventional sonography, other imaging techniques, endoscopy.

16. Hysteroscopy, laparoscopy - diagnostic, simple surgical procedures, including laparoscopic tubal occlusion, endometrial ablative techniques, colposcopy.

17. Medicolegal aspects, ethics, communications and counselling. (SEXUAL / ASSAULTS).

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.
• Repair of genital fistulae, SUI
• Operative endoscopy - Laparoscopic, Hysteroscopic
19. Recent advances in gynaecology - diagnostic and therapeutic.
20. Special groups - Pediatric and adolescent gynaecology, geriatric gynaecology.
21. Evidence based management.

Family Planning:
1. Demography and population Dynamics.
3. MTP Act and procedures of MTP in first & second trimester. (Recent Amendments, Legal/ethical issues)
4. Emergency contraception.
5. Recent advances, new development, Future research work in contraceptive technology.

Recommended Books-

Obstetrics

Must Read
Ian Donald Practical Obstetrics problem.
Munro-Kerr’s Operative Obstetrics.

Desirable to Read
Medical Disorders in Pregnancy by DeSwiet.
Obstetrics by Ian Donald.
Arias, High Risk Pregnancy.
Progress in OB/GYN, Studd.

Good to Read
High Risk pregnancy by James.
Williams Obstetrics.
Operative Obstetrics by Douglas.
Recent Advances in Obst/Gyn.
All on net.
FOGSI Books.

Gynecology

Must Read
Novacs Gynecology.
TeLindes Operative Gynecology.
C.S.Down’s Textbook of gynecology and contraception.
Bereks gynecological Oncology.
Gynecology by P.K.Devi
Jeffcoat’s Bonney’s Principles of Gynaecology.

Desirable to Read
Reproductive Endocrinology by Speroff.
Infertility by Insler.
Endocrinology by Rajan.
Gynaecology by Gold.
Operative Gynecology

Good to read
Gynecology Devherst.
All on net.
FOGSI Books.
Shaws textbook of gynecology.

Family Planning
Must Read

Desirable to Read
Reproductive endocrinology by Speroff.

Good to Read
Population reports.

Journals/Periodicals;
Must Read
Clinic in Obst. & Gynecology
North America clinic in ObGy
J. Obst. Gyn India

Desirable to Read
Year books
Annuals

Good to read
Am J Obst Gynec
Br. J Obst Gynec.
Obstet Gynec Survey
Fertility & Sterility

Scheme of Examination

Theory
4 papers, 100 marks each. Duration 3 hours.

Paper I:
Basic sciences in Obstetrics and gynecology including the diseases of newborn.

Paper II:
Clinical Obstetrics including newborn.

Paper III:
Clinical Gynecology

Paper IV:
Recent advances in Ob/Gy

*Include the basic sciences and recent advances in the subject.
Each paper will have following pattern-

<table>
<thead>
<tr>
<th>Questions</th>
<th>Marks</th>
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<tbody>
<tr>
<td>10 questions MCQ</td>
<td>10</td>
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<tr>
<td>4 questions 20 marks each (liberty to divide in 2)</td>
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<td>2 short notes out of 3.</td>
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<td><strong>Total Theory</strong></td>
<td><strong>400</strong></td>
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<table>
<thead>
<tr>
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<th>Marks</th>
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<tbody>
<tr>
<td>02 Obstetric cases</td>
<td>50+50=100 marks (equal wattage)</td>
</tr>
<tr>
<td>02 Gynaec cases</td>
<td>50+50=100 marks (equal wattage)</td>
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<tr>
<td>10 Spots 5 marks each</td>
<td>50 = 50 marks</td>
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<tr>
<td>05 cases Ward round</td>
<td>50 = 50 marks</td>
</tr>
<tr>
<td>02 Viva Obstetrics 50 Gynaec 50</td>
<td>100 marks</td>
</tr>
<tr>
<td><strong>Total practical</strong></td>
<td><strong>400</strong></td>
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KRISHNA INSTITUTE OF MEDICAL SCIENCES DEEMED UNIVERSITY, KARAD.