SYLLABUS
for
III - MBBS
(Part - II)

2014-15
<table>
<thead>
<tr>
<th>Index</th>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>General Medicine</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Pediatrics</td>
<td>47</td>
</tr>
<tr>
<td>3</td>
<td>Pulmonary Medicine</td>
<td>64</td>
</tr>
<tr>
<td>4</td>
<td>Psychiatry</td>
<td>70</td>
</tr>
<tr>
<td>5</td>
<td>Skin &amp; VD</td>
<td>74</td>
</tr>
<tr>
<td>6</td>
<td>General Surgery</td>
<td>79</td>
</tr>
<tr>
<td>7</td>
<td>Obstetrics and Gynaecology</td>
<td>95</td>
</tr>
<tr>
<td>8</td>
<td>Orthopaedics</td>
<td>108</td>
</tr>
<tr>
<td>9</td>
<td>Anaesthesiology</td>
<td>124</td>
</tr>
<tr>
<td>10</td>
<td>Radiology</td>
<td>129</td>
</tr>
</tbody>
</table>
1) GOALS:
The main aim of the Undergraduate courses in the subject of OBGYN is to make the student well – versed with the knowledge of.

1.1 Anatomy and physiology of female genital tract
1.2 Conception, ANC, labour and its complication in brief physiology & Pathology of pregnancy.
1.3 Contraception, Family planning & demography
1.4 Gynaecological conditions.
1.5 Gynaecological Endocrinology.
1.6 Infertility and recent advances.
1.7 To train the student, to be able diagnose & manage the disease of female genital tract.
   1.7.1 To witness & assist routine & emergency OBS & GYN operative procedures.
   1.7.2 To train them in family planning procedures like MTP, tubectomy so as to enable them to actively participate in National family planning programs.

OBJECTIVES

2) KNOWLEDGE
At the end of the tenure MBBS the student should be able to.

2.1 Know the anatomy, Physiology & Pathophysiolgy of reproductive system and its common condition.
2.2 To diagnose pregnancy & Manage antepartum, intrapartum & Postpartum condition including emergencies.
2.3 To undertake the effective measures & to reduce maternal peripartum morbidity and mortality

2.4 To understand the knowledge about contraception, MTP, sterilization & their complications.

2.5 To know proper pharmacology of drugs used during pregnancy and lactation & drugs like hormones, antibiotics, chemotherapeutic agents used in Gynaecological practice.

2.6 To identify and manage gynecological condition & emergencies and timely refer them for further necessary management.

2.7 To have detailed knowledge about adolescent and gynecologic Gynaecological problems and their management.

3) SKILLS

At the end of MBBS curriculum the candidate shall be able to

3.1 To diagnose pregnancy manage ANC in normal & highrisk pregnancies.

3.2 To conduct normal and instrumental deliveries as well as caeserian section.

3.3 To mange the complication of labour.

3.4 To assist 5 MTP’s, 5 Tubectomies.

3.5 To screen and diagnose female genital tract malignancies & to manage them.

3.6 To diagnose and manage female reproductive tract infections including HIV.

3.7 To diagnose infertility and other Gynaecological conditions.
4) INTEGRATED TEACHING

4.1 The candidate should have adequate knowledge of conditions related to Gynaecological urology and Neonatology.

4.2 To get skill and knowledge regarding radio-diagnosis and Ultrasonography & laboratory diagnostic techniques.

4.3 To have the knowledge of immunology, virology related to OB-GYN specialty.

4.4 To have basic knowledge about endocrine conditions related to Obstetrics & gynecology.

4.5 To have knowledge about medical & surgical conditions in pregnancy.

4.6 To have knowledge about oncopathology, hematology.

5) GENERAL GUIDELINES OF TRAINING COURSES

5.1 To train students to diagnose and manage disease of female genital tract.

5.2 To diagnose pregnancy and give antenatal, intranatal and postpartum care and treat related complications and emergencies.

5.3 To train them in National Family Planning Programmes, viz; MTP, Tubectomies, IUCD insertions and contraceptive advice.

5.4 To train them to conduct normal labours, episiotomies and manage IIIrd stage of labour.

5.5 To train them in minor obstetric procedures.
5.6 To conduct high risk clinic and diagnose high risk pregnancy.

5.7 To have full knowledge of pharmacology of drugs safe in pregnancy and lactation.

5.8 To diagnose obstetric emergencies.

5.9 To have full knowledge regarding diagnostic tolls and lab. Investigations.

5.10 To diagnose and treat infections female genital tract.

5.11 To undergo training in screening and diagnosing female genital tract malignancies.

5.12 To train student in minor Gynaecological procedures.

5.13 To train them to diagnose abnormal labours and timely refer high risk cases.

5.14 To assist 5 MTP & 5 Tubectomies

5.15 To assist caesarian section under supervision.

5.16 To have knowledge about Neonatology and Sonography.

5.17 To assist major Gynaecological operations like abdominal and vaginal hysterectomies under supervision.

5.18 To have knowledge of obstetric emergencies.
SYLLABUS

1) OBSTETRICS

1.1 Applied anatomy of female genital tract – 1 Hr.
1.2 Physiology of menstruation - 1 hour
1.3 Conception / implantation – 1 Hr.
1.4 Early development of human embryo – 1 hour
1.5 Fetal physiology, circulation – 1 Hr.
1.6 Amniotic fluid – Formation & Function – 1 Hrs.
1.7 Structure, and anomalies of Placenta – 1 Hr.
1.8 Physiological changes during pregnancy - 1 hour
1.9 Diagnosis of pregnancy – 1 Hrs.
1.10 Antenatal care - 1 hour
1.11 Nutrition in pregnancy, detection of high risk pregnancy – 1 Hrs.
1.12 Normal Labour – Physiology, clinical course and management – 1 hour
1.13 Partogram – 1 hour
1.14 Mechanism of labour – 1 hour
1.15 Analgesia (Pain relief) in labour – 1 Hrs.
1.16 Normal puerperium - 1 hour
1.17 Breast – Feeding – 1 hour.
1.18 Abnormal puerperium - 1 hour
1.19 Complication in early pregnancy
   1.19.1 Hyperemesis gravidarum – 1 Hr.
   1.19.2 Abortion – 2 Hrs.
   1.19.3 Ectopic pregnancy – 2 Hrs.
   1.19.4 Gestational trophoblastic disease - 2 Hrs.
1.20 Obstetrical complications during pregnancy
   1.20.1 APH – Accidental hemorrhage – 1 Hr.
1.20.2 Placenta praevia – 1 Hr.
1.20.3 Poly hydramnios / Oligohydramnios - 1 Hr.
1.20.4 Multifetal pregnancy – 2 Hrs.

1.21 Medical disorders in pregnancy
1.21.1 Anaemia – 1 Hr.
1.21.2 Heart diseases – 1 Hr.
1.21.3 Hypertensive disorder – PIH and Eclampsia - 2 Hrs.
1.21.4 Diabetes – 1 Hr.
1.21.5 Jaundice – 1 Hr.
1.21.6 Pulmonary diseases in pregnancy – 1 Hr.
1.21.7 Thyroid disorders in pregnancy
1.21.8 Urinary tract diseases in pregnancy -1 Hr

1.22 Infections in pregnancy
1.22.1 Sexually transmitted infections in pregnancy-1 hour
1.22.2 HIV in pregnancy- 1 Hr.
1.22.3 Toxoplasmosis in pregnancy– 1 Hr.
1.22.4 Rubella in pregnancy-1 hour
1.22.5 Other TORCH infections-1 hour
1.22.6 APLA Syndrome 1 hour

1.23 Gynaecological and surgical conditions in pregnancy.
   Fibroid with pregnancy, ovarian tumours, acute abdomen, genital prolapse – 2 Hrs.

1.24 high risk pregnancy
1.24.1 Pre-term labour – 1 Hr.
1.24.2 Post term pregnancy – 1 Hr.
1.24.3 IUGR – 2 Hrs.
1.24.4 IUFD – 1 Hr.
1.24.5 Pregnancy with Rh incompatibility – 2 Hrs.
1.24.6 Post caesarean pregnancy – 1 Hr.

1.25 Induction of labour – 2 Hrs.

1.26 Abnormal position & presentation
   1.26.1 Occipitio posterior – 1 Hr.
   1.26.2 Breech – 1 hr.
   1.26.3 Transverse lie – 1 Hr.
   1.26.4 Face & Brow – 1 Hr.
   1.26.5 Compound – 1 Hr.
   1.26.6 Cord Presentation and Prolapse – 1 Hr.

1.27 Abnormal labour
   1.27.1 Abnormal uterine contraction – 1 Hr.
   1.27.2 CPD – 1 Hr.
   1.27.3 Contracted Pelvis 1hr
   1.27.4 Obstructed labour – 1 Hr.
   1.27.5 Uterine rupture – 1 Hr.

1.28 Third Stage complications
   1.28.1 Retained placenta - 1 Hr.
   1.28.2 PPH & Shock – 2 Hrs.
   1.28.3 Uterine inversion – 1 Hr.
   1.28.4 AFE – 1 Hr.

1.29 Puerperal Sepsis and other complications – 2 Hrs.

1.30 Evaluation of foetal Health during pregnancy and labour – 2 Hrs.

1.31 Drugs used in obstetric practice – 1 Hr.

1.32 Operative procedures in Obstetrics
   1.32.1 Caesarean Section – 1 Hr.
   1.32.2 Perineal tears & cervical tear – 1 Hr.
   1.32.3 Forceps – 1 Hr.
   1.32.4 Vacuum – 1 Hr.
1.32.5 Destructive Operations in Obstetrics - 1 Hr.
1.32.6 Manipulation in Obstetrics – 1 Hr.
1.33 Maternal mortality and morbidity – 1 Hr.
  1.33.1 Perinatal mortality & morbidity – 1 Hr.
1.34 National health programme – Safe motherhood, reproductive and child health – 1 Hr.
1.35 Social Obstetrics – 1 Hr.
1.36 Obstetric Ultrasound – 1 Hr.
1.37 PNDT Act-1hr
1.38 HINI is pregnancy
1.39 Dengue fever in pregnancy.

2) NEW BORN
2.1 Examination and care of new born & low birth weight babies. – 1 Hr.
2.2 Asphyxia and neonatal resuscitation – 1 Hr.
2.3 Diagnosis of early neonatal problems – 1 Hr.
2.4 Birth injuries, Jaundice, infection – 1 Hr.
2.5 Anencephaly & Hydrocephalus – Congenital Anomalies of fetus. – 1 Hr.

3) GYNAECOLOGY
3.1 Development of genital tract 1 Hr.
3.2 Congenital anomalies and clinical significance -1Hr.
3.3 Chromosomal abnormalities inter sex – 1 Hr.
3.4 Physiology of Menstruation – 1 Hr.
3.5 Menstrual abnormalities – Amenorrhoea
3.6 Dysmenorrhoea -1 Hr.
3.7 Abnormal uterine Bleeding – 2 Hrs.
3.8 Puberty and its disorder – 1 Hr.
3.9 Adolescent Gynaecological problems – 1 Hr.
3.10 Infertility –female – 2 Hr.
3.11 Infertility –male -1 Hr
3.12 Infection of genital tract STD-1 hr
3.13 Leucorrhoea – 1 Hr.
3.14 Pruritus vulvae – 1 Hr.
3.15 Vaginitis, Cervicitis – 1 Hr.
3.16 PID - 1 Hr.
3.17 Genital TB – 1 Hr.
3.18 HIV infection – 1 Hr.
3.19 Fibroid Uterus -1 hr
3.20 Malignant Lesions of Vulva & Vagina -1 Hr
3.21 Malignant Lesions Cx - 2 hrs
3.22 Malignant Lesions Uterus - 2 Hr.
3.23 Malignant Lesions Uterus Ovary- 2 Hrs
3.24 Adenomyosis & endometriosis – 1 Hr.
3.25 Genital prolapse – 2 Hr.
3.26 Genital tract displacement, Urinary disorders in Gynaecology – 2 Hr.
3.27 Perineal tears & Genital Fistulae, RVF & VVF – 2 Hrs.
3.28 Radiotherapy & Chemotherapy in Gynaecology – 1 Hr.
3.29 Drugs & Hormones in Gynaecology – 2 Hrs.
3.30 Ultrasonography, Radiology & Endoscopy in Gynaecological diagnosis – 2 Hrs.
3.31 Operative Gynaec Procedures – 2 Hrs.
3.32 Pre & Post operative care in Gynaecology – 2 Hrs.
3.33 Menopause & HRT – 2 Hrs.
4) FAMILY PLANNING

4.1 Demography & Population Dynamics – 1 Hr.
4.2 Contraception – Temporary methods – 1 Hr.
4.3 Oral Pills
4.4 IUCD
4.5 Permanent methods – 2 Hrs.
4.6 Newer contraceptives – 1 Hr.
4.7 MTP Act & Procedures of MTP in first and second trimester. – 3 Hrs.

TUTORIALS:

Pap Smear & Cervical Biopsy -1 Hr.
IUCD 1 hr
Tubal Ligation 1 Hr.
OC Pills 1 Hr.
Pelvis 1 Hr.
Foetal Skull 1 Hr.
CPD 1 Hr.
Normal Labour 1 Hr.
Episiotomy 1 Hr.
Mech of Normal Labour 1 Hr.
OP presentation 1 Hr.
Breech presentation 1 Hr.
Drugs in Pregnancy & Lactation 1 Hr.
MTP Medical & 1 trimester 1 Hr.
MTP 2 trimester 1 Hr.
Tubal Ligation 1 Hr.
X – Ray 1 Hr.
Specimens 1 Hr.
Instruments 2 Hr.s
Ultrasonography 1 Hr.
Non stress test 1 Hr.
FINAL MBBS – OBSTETRICS / GYNAECOLOGY

OBS / GYN Theory

Paper I: Obstetrics including social obstetrics and newborn care.
(40 marks)

Paper II: Gynaecology, family Welfare and Demography
(40 marks)

Duration and Pattern of each paper will be as follows:

<table>
<thead>
<tr>
<th>Duration</th>
<th>Sec. A</th>
<th>Sec. B</th>
<th>Sec. C</th>
</tr>
</thead>
<tbody>
<tr>
<td>One line answer ½ hour, paper 2 hours. Pattern</td>
<td>One line answer – 12 Questions of 1 mark each</td>
<td>Short Answer Questions (4 Questions of 3 Marks each) (Could be short notes)</td>
<td>Long Answer Questions (2 Questions of 8 marks each)</td>
</tr>
<tr>
<td>Marks</td>
<td>12</td>
<td>12</td>
<td>16</td>
</tr>
</tbody>
</table>

Total - Paper – I 40

Paper – II 40

Internal Assessment 20

Total 100

Internal Assessment Theory

1. Preliminary Exam. of 100 marks – 1 / 10th of Marks Secured to be given out of 10 marks 10

2. Two periodical tests at the end of 6th & 8th Semester

1st 100 marks

2nd 100 marks

Total 200 Marks

TO BE CONVERTED TO 10 MARKS FOR INTERNAL ASSESSMENT 10

TOTAL THEORY INTERNAL ASSESSMENT 20
FINAL MBBS – OBSTETRICS / GYNAECOLOGY
PRACTICAL EXAMINATION

1. Long case in Obstetrics 40 Marks
2. Short case in Gynaecology 10 Marks
   (or discussion of Gynaec. Case.)

Oral & Viva

**Table One** – Obstetrics 10 Marks
Includes – Specimens, Instruments, Drugs, X-ray & Dummy pelvis

**Table Two** – Gynaecology viva 10 Marks
Specimens, Instruments, Drugs, X-ray,

**Table Three** – Family planning viva 10 Marks
Includes – Contraceptives & Family welfare

TOTAL 80 Marks

Internal Assessment 20 Marks

**TOTAL** 100 Marks

INTERNAL ASSESSMENT IN OBS/GYN PRACTICAL

1. Four Periodical Tests at the end of Clinical postings of the batch at the end of 4th, 7th, 8th semester
   50 marks each **Total – 150 marks**
   converted in to 10 Marks for internal Assessment 10 Marks

2. Preliminary Exam. During 9th Semester of 100 Marks
   Converted in to 10 marks for Internal Assessment 10 Marks

**Total Internal Assessment Marks** 20 Marks
All internal Assessment Theory & Practical Exam. to be communicated to Dr. D. Y. Patil University within 15 days of commencing the exam and to be added in Final Year Exam.

Total Hr. Didactic Lectures 130 Hrs.
Total Tutorials 170 Hrs.
Total Hours 300 Hrs.

Recommended Books to be referred for UG Teaching

3. Obstetric by Ian Donald.
5. Textbook of Obstetrics – Dutta D. C.
6. Textbook of Gynaecology - Dutta D. C.
7. Shaw’s textbook of Gynaecology – Padubidri V. G. & Dattery S. N.
8. Practical text book of OBGY – by Shrotri
9. Practical obst. & gynac – by Doshi Harresh
10. Practice fertility control by Dr. Chaudhari
11. Clinical cases in obstetric & gynac of Harish Doshi