

**DR. D. Y. PATIL VIDYAPEETH (DEEMED UNIVERSITY)
DR. D. Y. PATIL MEDICAL COLLEGE, HOSPITAL & RESEARCH CENTRE
PIMPRI, PUNE-18.**

***SYLLABUS FOR UNDER GRADUATE COURSE (MBBS)
IN SUBJECT OF OBSTETRICS AND GYNAECOLOGY***

This syllabus is made as per the guidelines given by MCI and Dr.D,Y.Patil university ,Pune

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 & Pathophysiology 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 geriatric 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 & high-risk pregnancies.
- 3.2 To conduct normal deliveries.
- 3.3 To do basic a management of complication of labour.
- 3.4 To assist 5 MTP's & 5 Tubectomies.
- 3.5 To screen and diagnose female genital tract malignancies.
- 3.6 To diagnose & basic management of female reproductive tract infections.
- 3.6 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.

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OBSTETRICS & GYNAECOLOGY

MBBS SYLLABUS

1) OBSTETRICS

- 1.1 Applied anatomy of female genital tract - 1 Hr.
- 1.2 Physiology of menstruation - 1hour
- 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 -1hour
- 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 -1hour
- 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 Multifoetal 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 Hrs.
 - 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 -1Hr
 - 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

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 hrs

Ultrasonography 1hr

Non stress test 1hr

THEORY EXAM
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 :

Duration	:	One line answer ½ hour, paper 2 hours. Pattern	Marks
Sec. A	:	One line answer - 8 Questions of 1 mark each	8
Sec. B	:	Short Answer Questions (6 Questions of 3 Marks each)	18
Sec. C	:	Long Answer Questions (2 Questions of 7 marks each)	14
		Total - Paper - I	40
		Paper - II	40
			80
		Total	80

Internal Assessment Theory

1. Preliminary Exam. of 80 marks - Converted 10 Marks	10
Secured to be given out of 10 marks	
2. Two periodical tests at the end of 6 th & 8 th Semester	
1 st 60 marks	
2 nd 60 marks	
	120 Marks
TO BE CONVERTED TO 10 MARKS	10
FOR INTERNAL ASSESSMENT	20
TOTAL THEORY INTERNAL ASSESSMENT	20

PRACTICAL

FINAL MBBS - OBSTETRICS / GYNAECOLOGY

PRACTICAL EXAMINATION

Clinical (out of 60 marks)

- | | |
|------------------------------|----------|
| 1. Long case in Obstetrics | 40 Marks |
| 2. Short case in Gynaecology | 10 Marks |
| 3. Family Planning | 10 Marks |

TOTAL	60 Marks
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Oral & Viva Voca [(Out of 20 marks) to be added in theory marks]

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

Table Two - Gynaecology & Specimens, Instruments, Drugs	10 Marks
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TOTAL	20 Marks
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GRAND TOTAL	80 Marks
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INTERNAL ASSESSMENT	20 Marks
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TOTAL	100 Marks
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INTERNAL ASSESSMENT IN OBS/GYN PRACTICAL

- Five Periodical Tests at the end of Clinical postings of the batch at the end of 3rd, 4th, 7th, 8th 9th semester out of which 3 best are selected
50 marks each **Total - 150 marks**
converted in to 10 Marks for internal Assessment 10 Marks
- Preliminary Exam. During 9th Semester of 80 Marks
Converted in to 10 marks for Internal Assessment 10 Marks

Total Internal Assessment Marks	20 Marks
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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.
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Total Hours	300 Hrs.

Recommended Books to be referred for UG Teaching

1. Textbook of Obstetrics – Dutta D. C.
2. Obstetric Text book – Holland & Brews
3. Textbook of Gynaecology - Dutta D. C.
4. Shaw’s textbook of Gynaecology – Padubidri V. G. & Datterry S. N.
5. Practical text book of OBGY – by Shrotri
6. Practical text book of OBGY – by Doshi Harresh