

# **MGM INSTITUTE OF HEALTH SCIENCES**

(Deemed to be University u/s 3 of UGC Act, 1956) **Grade 'A' Accredited by NAAC** Sector-01, Kamothe, Navi Mumbai -410 209 Tel 022-27432471, 022-27432994, Fax 022 -27431094 E-mail: registrar@mgmuhs.com; Website :www.mgmuhs.com



### **Amended History**

- 1. Approved as per BOM-04/2007, Item 12.1, Dated 14/12/2007.
- 2. Amended as per BOM- 48/2017, [Resolution No. 5.25]; Dated 24/01/207.
- 3. Amended as per BOM-51/2017, [Resolution No.1.3.10.1], [Resolution No.1.3.7.11], [Resolution No. 1.3.10.11], [Resolution No.1.3.23]; Dated 28/08/2017.
- 4. Amended as per BOM-52/2018, [Resolution No. 3.8.2]; Dated 13/01/2018.
- 5. Amended as per BOM-55/2018, [Resolution No. 4.13], [Resolution No. 4.5.4.2], Dated 27/11/2018.
- 6. Amended as per BOM-57/2019, [Resolution No. 3.1.4.2]; Dated 26/04/2019.

### **INSPIRING MINDS**



## Mission

To improve quality of the life for individuals and community by promoting health, preventing and curing disease, advancing biomedical and clinical research and educating tomorrow's Physicians and Scientists.

### Vision

By 2020 the MGM University of Health Sciences will rank one of the top private Medical Institution. This will be achieved through ground breaking **discoveries in basic sciences and clinical research** targeted to prevent and relieve human suffering, **excellence in Medical Education** of the next generation of academic clinicians and intrinsic scientists.

MGM University of Health Sciences will transform the **Education of** tomorrow's Physicians and Scientists conducting Medical **Research** to advance health and improving lives by providing world-class patient care.

Many see the 21<sup>st</sup> Century as the golden age of biomedical research. The MGM University of Health Sciences will position for leadership at the horizon of this new era to promote and stabilise stand human health with a standard of excellence.

## hancell

my pleasure stuent colle dhi Misson's th Sciences vail this opportyour parents elence of the

MGM Unive established HRD Notific A) dated 30 ersity is an its of our edu essionals, se hnocrat, stud hatma Gandl nages the Ur ences and ov Mumbai, A Noida has t masses with <sup>®</sup>-of-the-art ℓ dutions have ther endorse ngent quality state that we se accomplis mey of the p

<sup>1</sup>Collect the m <sup>1</sup>determinati <sup>1</sup>st establishe <sup>1</sup>eges, one establishe <sup>1</sup>eges, one establishe <sup>1</sup>angabad so <sup>1</sup>h the medica <sup>1</sup>h the



## hancellor's Message

my pleasure to welcome you to join stituent colleges of Mahatma thi Misson's (MGM) University of th Sciences, Navi Mumbai. I wish will this opportunity to apprise you your parents about the academic stence of the deemed university.

MGM University of Health Sciences established u/s 3 of UGC Act, 1956 HRD Notification No.F.9-21/2005-(A) dated 30-8-2006. The MGM versity is an outcome of untiring its of our educationists, essionals, social activists, mocrat, students and parents. The hatma Gandhi Mission Trust that lages the University of Health inces and over 40 institutions in Mumbai, Aurangabad, Nanded, Noida has the vision to empower masses with the availability of e-of-the-art education. Most of our tutions have ISO certifications that her endorse our commitment to gent quality standards. I am proud Mate that we have succeeded in <sup>he accomplishments during our</sup> mey of the past 25 years.

<sup>to</sup>llect the memories of struggle <sup>1</sup>determination when the MGM <sup>1st</sup> established its two medical <sup>1eges</sup>, one each at Navi Mumbai and <sup>1an</sup>gabad some twenty years ago. <sup>1</sup> the medical colleges have grown <sup>1</sup> institutions imparting both <sup>1erg</sup>raduate and postgraduate <sup>1/3</sup>ses, and delivering quality health <sup>1</sup> to communities in their respective <sup>1/3</sup>s. While both colleges are engaged <sup>1/3</sup>neir primary functions of teaching, <sup>1/3</sup>net care and research, they have also excelled in their pursuit for advancement of science and in taking health services to communities through extension programmes. A shining example is the establishment of the Department of Infectious Diseases in 1993 in collaboration with the University of Texas-Houston, USA. This department has established the stateof-the-art clinical services and laboratories for research and care of infectious diseases and received the acclaim of Director General of ICMR when he stated "MGM is the first medical college in India to establish a separate department of infectious diseases. This is the need of the hour." The department has undertaken pathbreaking research and shaped the course of our national control programmes on HIV/AIDS and tuberculosis. The original research of the constituent colleges has been acclaimed among the scientific world globally.

In an era of economic liberalization and the competition among varsities, both in and out of India, the task of grooming professionals who will compete with the best in the world , is tough. To aid our efforts to excel, MGM University of Health Sciences has the latest research facilities, a dedicated research faculty, as well as an array of distinguished visiting faculty members. The quiet ambience of our campuses, the well filled library with subscriptions to international and national journals, and the lush-green gardens add to our accomplishments.

Considering the manpower needs of

educational, industrial agricultural, and health sector to maintain their steady growth, several fresh M.Sc. courses have courses have been launched. M.Sc. courses introduced at the

University from the current academic year shall provide knowledge, skills and subsequent employability that are at par with the counterparts in India and abroad. The curricula of the courses have been designed by experts and peer-reviewed with an emphasis on the job requirements of educational institutions, industries, health care, and research institutions. These courses will empower the students to choose a career in a classroom, a research laboratory or an industry. I am happy that the university is ticking towards the pinnacle with the introduction of these value-added postgraduate courses in medical biotechnology, medical genetics and other basic sciences.

Finally, I wish to place on record my gratitude to the founder members, stake-holders, faculty, staff, students and their parents for providing the MGM Trust with your advice and support.

Once again, it is my pleasure to welcome you to join constituent colleges of MGM University of Health Sciences' at Navi Mumbai and Aurangabad.

Kamal Kishore Kadam Chancellor



Dr R.D.Bapat Vice Chancellor Bi

T

1



Dr S.N.Kadam Pro Vice Chancellor



Dr N.N.Kadam Director (Examination)



Dr Ajit shroff Dean (Aurangabad Campus)



Dr Z.G. Badade Registrar



Dr G.S.Narshetty Dean (Navi Mumbai Campus)

## Appx 'B'

# EXAMINATION SCHEDULE

Take off exam

Term assessment test I Term assessment test II Term assessment test III Term assessment test IV Term assessment test VI

Basic medical sciences

20 marks 20 marks 20 marks 20 marks 20 marks 20 marks 20 marks

MD Exams

į

Appx 'A'

### WEEKLY TRAINING PROGRAMME POSTGRADUATES

### PHASE - I

Total weeks Basic Medical Sciences Leave

72 weeks
08 weeks
08 days each term .

Balance available for training

-62 weeks

### PHASE -II

Total weeks Leave Balance available for training -

-72 weeks -08 days each term 68 weeks

### PHASE-III

Total weeks

-12 weeks

## WEEKLY SCHEDULE

Total hours for classroom teaching

Monday	:	PG lecture	- 2 hrs
Tuesday		Tutorials	- 2 hrs
Thursday		Seminars	- 2 hrs
Friday		Symposium/Clinical meetings/Journal clubs	- 2 hrs
-		Evening clinics	- 2 hrs
Wednesday		0	- 2 hrs
Tuesday	:}	Teaching rounds	
Friday	- :	PG Clinics •	- 2 hrs

- 8 hrs

### **GYNAECOLO** 1

V

	THE COLOGI	
I	BASIC IN GYNAECOLOGY	
	Anatomy of the female genital treat	3 wks
	<sup>2</sup> Physiology of menstruation & ovulation	1 wk
	5 Enteryology	
<u>.</u>	4. Gynaecological complaints & gynaecological	1 wk
	examination including history taking	
	5 Imaging & investigations in gynaecology	
		1 wk
II	PRE-OP & POST -OP CARE	
		1 wk
III	DISORDERS OF MENSTRUATION	
	1. Common menstrual complaints	3 wks
	2. Pathology of menstruation	
	3. Anovular bleeding	
	4. Ovulatory menorrhagia -	
	5. Dysfunctional uterine bleeding	1 wk
	6. Medical therapy	
÷	7. Conservative surgical options	(#5
	8. Alternative options in menorrhagia	0.47
	9. Recent advances	
	10. Fibroids and adenomyosis	1 wk
	Symptomatology	
	Diagnosis	
	Treatment options	
	- total options	
IV	DISORDERS OF FERTILITY: ENDOMETRIORIS	
	1. Physiology of conception & implantation	3 wks
	2. Causes of infertility	
	3. Diagnostic modalities in infertility	
	4. Male infertility & management	1 wk
	5. ART techniques	
	- Ovulation induction	<i>a</i>
	Assisted conception	
	IVF-ET	
	6. Endometriosis	
V	ENDOSCOPY IN GYNAECOLOGY	
	1. Endoscopio modelitica l	1 wk
	<ol> <li>Endoscopic modalities – basics</li> <li>Diagnostic endoscopy</li> </ol>	
	2 Mghostic endoscopy	
	Laparoscopy	

		Hysteroscopy	
	3.	Operative Endoscopy	
		Laparoscopic surgeries	
		Hysteroscopic surgeries	
	4	Complications of endoscopy	
Л	PEL	VIC SUPPORT DEFECTS	2wks
	1.	Anatomy of pelvic floor	
	2.	Clinical examination of pelvic floor defects	
	3.	Conservative management	1 wk
	4.	Surgical options	1 wk
		CARLANCOL OCH	2.1.
IIV		GYNAECOLOGY	2wks
~	1.	Anatomy & physiology of voiding	
	2.	Symptomatology & investigations	1 1
	3.	Incontinence-types	1 wk
	4.	Medical management of incontinence	
	5.	Surgical management options	
	6.	Urinary fistulae	1 wk
VII	CVN	AECOLOGICAL ONCOLOGY	3 wks
V 11	1.	Basics of oncology	
	2.	Lymphatic drainage of pelvis	
	2. 3.	Treatment options in malignancy-CT/RT	1 wk
	J. 4.	Premalignant lesions	
	ч. 5.	Ca cervix	
	<i>6</i> .	Ca endometrium	
	0. 7.	Ovarian tumours	
	7. 8.	Ca vulva	
	o. 9.	Gestational trophoblastic tumors	
	9. 10.	Palliative care & pain relief	2 wks
	10.		2 1110
		,	÷
IX	INF	ECTIONS & VAGINAL DISCHARGE	1 wk
	1.	Leucorrhea – investigations	
	2.	Common vaginal infections	
	<i>2</i> .		
	3.	Cervicitis – management options	

X	MENOPAUSAL MEDICINE	
	1. Physiology of menopause	2 wks
	2. Common menopausal complaints & pathology of	
	menopause	
	3. HRT options	
	4. Alternative options in menopause	
	5. Post menopausal bleeding	1 wk
	in the second particular of country	1 wk
XI	ADOLOSCENT GYNAECOLOGY	
	1. Physiology of puberty	1 wk
	2. Delayed puberty	
	<ol><li>Puberty menorrhagia</li></ol>	1 wk
		1 WK
XII	GYNAECOLOGICAL ENDOCRINOLOGY	
	1. Amenorrhea	2 wks
	2. Anovulation & PCOD	
	3. Hirsuitism	1 wk
	4. Intersex & ambiguous genitalia	1 wk
VIII	TANET TO DE LA DE	

XIII FAMILY PLANNING & CONTRACEPTIONS 2 wks

TOTAL

26 wks

### **OBSTETRICS**

I	BASIC	2 wks
	1. Anatomy	
	2, Osteology	1 wk
	3. Physiology of pregnancy & lactation	
2 g	4. Genetics	1 wk
II	NORMAL LABOUR	2 wks
	1. Physiology	•
	2. Mechanisms	1 wk
	3. Conduct of normal labour	
	4. Pain relief in labour	1 wk
III	ANTENATAL CARE & FETAL MONITORING	2 wks
	1. Minor ailments of pregnancy	•
	2. Hyperemesis	
	3. Nutrition in pregnancy and lactation	
	4. Immunisation in pregnancy	
o	5. Antenatal visit schedules	1 wk
	6. Antepartum fetal monitoring	1 wk
IV	PUERPERIUM	1 wk
	1. Physiology of puerperium & lactation	
	2 Pathology of puerperium	1 wk
V	ABNORMAL LABOUR	3 wks
	1 Abnormal presentations	
	Breech	
	Occipito-posterior	1 wk
	Face	
	Brow	1 wk
	Transverse	
	Compound	1 wk

	2.	Dystocias CPD & contracted pelvis	2 wks	
		Partograms First stage disorders	1 wk	
		Second stage disorders		
		Abnormal uterine action	1 wk	
VI	MUL	TIPLE PREGNANCY	1 wk	
VII	EAR	LY PREGNANCY HAEMORRHAGES	2 wks	
	1	Abortions – actiology		
	<i>2</i> .	Abortions types	.*	
	3.	Abortions - managements	1 wk	
	4.	Ectopic pregnancy		
	5.	Molar pregnancy & GTD		
	6.	Miscellaneous causes	1 wk	
VIII	OBS	<b>FETRIC HAEMORRHAGES</b>	2 wks	
	1.	Antepartum haemorrhage	2 WKS	
		. Placenta praevia		
		Abruptio placenta		
		Others	1 wk	
	2.	Post partum haemorrhages	1 WK	
		Causes		
		Medical treatment		
		Surgical treatment	1 1	
(m) (		Surgical treatment	l wk	
IX	MED	ICAL DISORDERS IN PREGNANCY	5 wks	
	1.	Anemia in pregnancy	1 wk	
	2.	Hypertension in pregnancy	A	
		PIH		
		Eclampsia		
		Chronic hypertension	1 wk	
2	3.	Heart disease	1 wk	
	4.	Pulmonary disorders in pregnancy		
	5.	Urinary disorders in pregnancy	1 wk	
	6.	Liver disorders in pregnancy		
	7.	Dermatological disorders in pregnancy		
	8.	Psychiatric disorders in pregnancy	1 wk	
		- P-O	A	

	X	INFECTION IN PREGNANCY	2 wks
		L STDs	2 9 15
,ť		2. HIV in pregnancy	
		3 Other infections in pregnancy	2 wks
		in the program of	- WKS
	3		÷.
	XI	OBSTETRIC OPERATIONS	1 wk
		1. Episiotomy & minor surgical procedures	8
		2. Vacuum delivery	
		3. Forceps delivery	
	ø	4. Cesarean section	•
		5. Cesarean hysterectomy	
		6. Destructive operations	
		7. Version	1 wk
	XII	PROM & PRETERM LABOUR	1 wk
			I WK
	XIII	INJURIES TO THE GENITAL TRACT	1 wk
		1. Puerperal hematomas	IWK
		2. Birth injuries	
		3. Obstetric palsies	
		4. Rupture uterus	1
			1 wk
	XIV	RECURRENT PREGNANCY LOSSES & BOH 1 wh	
	XIV	RECURRENT PREGNANCY LOSSES & BOH 1 wk	
	XIV XV	ABNORMALITIES OF PLACENTA & CORD 1 wk	
		ABNORMALITIES OF PLACENTA & CORD 1 wk 1. Polyhydramnios	
		<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> </ul>	1 1
		ABNORMALITIES OF PLACENTA & CORD 1 wk 1. Polyhydramnios	1 wk
	XV	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul>	
		<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION	1 wk 1 wk
	XV	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> </ol>	
	XV	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> </ol>	
	XV	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> </ol>	1 wk
	XV XVI	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol>	<b>1 wk</b> 1 wk
	XV	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS	1 wk
	XV XVI	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> </ol>	<b>1 wk</b> 1 wk
	XV XVI	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> </ol>	<b>1 wk</b> 1 wk
	XV XVI	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> <li>Perinatal mortality</li> </ol>	<b>1 wk</b> 1 wk
	XV XVI	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> </ol>	<b>1 wk</b> 1 wk
	XV XVI XVII	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> <li>Perinatal mortality</li> <li>Healthy progammes</li> </ol>	<b>1 wk</b> 1 wk <b>1 wk</b>
	XV XVI XVII	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> <li>Perinatal mortality</li> <li>Healthy progammes</li> </ol> NEONATOLOGY	<b>1 wk</b> 1 wk <b>1 wk</b>
	XV XVI XVII	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> <li>Perinatal mortality</li> <li>Healthy progammes</li> </ol> NEONATOLOGY <ol> <li>Neonatal resuscitation &amp; NALS</li> </ol>	1 wk 1 wk 1 wk 1 wk
	XV XVI XVII	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> <li>Perinatal mortality</li> <li>Healthy progammes</li> </ol> NEONATOLOGY <ol> <li>Neonatal resuscitation &amp; NALS</li> <li>Respiratory distress</li> </ol>	1 wk 1 wk 1 wk 1 wk
	XV XVI XVII	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> <li>Perinatal mortality</li> <li>Healthy progammes</li> </ol> NEONATOLOGY <ol> <li>Neonatal resuscitation &amp; NALS</li> <li>Respiratory distress</li> <li>Jaundice in newborn</li> </ol>	1 wk 1 wk 1 wk 1 wk
	XV XVI XVII	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> <li>Perinatal mortality</li> <li>Healthy progammes</li> </ol> NEONATOLOGY <ol> <li>Neonatal resuscitation &amp; NALS</li> <li>Respiratory distress</li> </ol>	1 wk 1 wk 1 wk 1 wk
	XV XVI XVII	<ul> <li>ABNORMALITIES OF PLACENTA &amp; CORD 1 wk</li> <li>Polyhydramnios</li> <li>Oligohydramnios</li> <li>Anatomical placental &amp; cord anomalies</li> </ul> INDUCTION OF LABOUR & ABORTION <ol> <li>Historical aspects</li> <li>Medical methods</li> <li>Surgical &amp; combined methods</li> <li>Induction of abortion</li> </ol> SOCIAL OBSTETRICS <ol> <li>RCH programme</li> <li>Maternal mortality</li> <li>Perinatal mortality</li> <li>Healthy progammes</li> </ol> NEONATOLOGY <ol> <li>Neonatal resuscitation &amp; NALS</li> <li>Respiratory distress</li> <li>Jaundice in newborn</li> </ol>	1 wk 1 wk 1 wk 1 wk

XIX	ULTRASOUND IN OBSTETRICS	1 wk
XX	RECENT ADVANCES & EVIDENCE BASED OBSTETRICS	1 wk
	TOTAL	34 wks

,

### PRACTICAL TRAINING (PHASE-1)

Rotation

Unit I and Unit II (34 weeks week each)

Labour room12 weeksOPD12 weeks(Including Colposcopy clinic, MR clinic, HRT clinic & USG)Neonatology & Sonology05 weeks eachART Centre/Oncology10 weeks

OT Schedule

Unit I:As per scheduleUnit II:As per scheduleNight duties in labour roomonce every 3 – 4 daysOutreach CampsAs and when organizedRegular attendance at scientific meetings organized by Obs & Gyn Society

### PHASE II

Practical training 68 weeks Unit I 25 weeks Unit I I 25 weeks Labour room 18 weeks

### FINAL PHASE SCHEDULE (PHASE – III) (REVISION & EXAM PREPARATION) (12 WEEKS)

Unit.I Unit II	6 weeks 6 weeks	ART Centre OPD OPD	<ul> <li>2 weeks</li> <li>2 weeks</li> <li>2 weeks</li> </ul>
PG Clinics		Ward Tuesday & Friday	2 weeks

Seminars / symposia Journal club Evening Clinics Tuesday & Friday Once a week Once a week Monday & Thursday

### Appx 'C'

### SYLLABUS

### M.S. (Obstetrics and Gynaccology)

Paper I -	Obstetrics including the diseases of the new born
Paper II	Gynaecology, Gynaecological Pathology and Operative Gynaecology
Paper III	Medical and Surgical Diseases complicating Obstetrics & Gynaecology.
Paper IV -	Social Obstetrics and Gynaecology including Maternal Child Health and Family Planning and Recent Advances

## CLINICAL AND PRACTICAL EXAMINATION

Obst	etrics		Gynaecology
3.	Table Viva	2	50 marks (Obs) 50 marks (Gyn)
2.	Gynaecology	- 1 long case - 1 short case	60 marks 40 marks
1.	Obstetrics	<ul><li> 1 long case</li><li> 1 short case</li></ul>	60 marks 40 marks

Dummy & pelvis25 marksDrugs25 marksInstruments25 marksImaging and other25 marksInvestigations25 marks

Drugs2Instruments2Family Planning2Imaging and2other investigation2Procedures3

25 marks 25 marks 25 marks 25 marks

## PATTERN OF QUESTION PAPER

4 questions 25 marks each

· Q1 - Q 3

Long Answer Question

Q4

Short notes 2 to 3

### MGM INSTITUTE OF HEALTH SCIENCES, NAVI MUMBAI

### MARKLIST FOR PRACTICAL AND VIVA-VOCE EXAMINATION

EXAM CENTRE:\_\_

COURSE / EXAM: PG -

DATE OF EXAMINATION: \_\_\_\_\_\_EXAMINATION FOR: MS (OBSTETRICS AND GYNAECOLOGY)

1								2					Grand
Obste	Obstetrics Cases (A)			Gynaec Cases (B)								Total	Total
1 Long Case	1 Short Case	Total 100	1 Long Case	1 Short Case	Total 100	(A+B)	Table 1	Table 2	Table 3	Table 4	Disser tation VIVA	ion	Practical (1+2)
60 Marks	40 Marks		60 Marks	40 Marks		200	45	45	45	45	20	200	400
 						/							
											-		
				(a)									

NAME OF EXAMINER	COLLEGE	SIGNATURE WITH DATE
<u>1.</u>		
<u>2.</u>		
3.		
<u>4.</u>		

Page 26

Paper wise Distribution of

TOPIC

1.2. PG	COURSES:	1	
Sr. No	COURSE	SUBJECT NAME	PAPER NO. & TOPICS
i)	M.S.	GENERAL SURGERY	I. Basic Sciences     II. General Surgery Including Clinical Surger     III. General Surgery Including Subspecialities     IV. Recent Advances
ii)	M.S.	OPHTHALMOLOGY	I. Anatomy, Physiology and optics of the eye.
			II. Ophthalmic Medicine and Surgery.
			III. Ophthalmology in relation to medicine
			IV. Newer Techniques and innovations in Ophthalmology.
iii)	M.S.	ORTHOPAEDICS	1. Basic and Applied Sciences as related to Orthopaedics
			II. Orthopaedics Traumatology
			III. Orthopaedic Diseases
	T		IV. Recent Advances
iv)	M.S.	OBSTETRICS AND GYNAECOLOGY	Basic Sciences in Obstetrics ar Gynaecology including the diseases of th I. newborn. II. Clinical Obstetrics includes newborn. III. Clinical Gynaecology.
		- 1	III. Clinical Gynaecology. IV. Recent Advances in Ob/Gy.
		MD Emergency	
		Medicine	Emergency Medicine (Aplied Anatomy, Clinical Physiology, Clinical Biochemistry, Clinical Pharmacology, Clinical Pharmacology, Research Methodology, Biostatistics) II) Emergency Medicine (Medicine, Dermatology, Psychiatry) III) Emergency Medicine (Surgery Trauma, Orthopedics, Obstetrics, Anesthesia, Eye, ENT, Dental, Radiology) IV) Emergency Medicine including recent advances (Pediatrics, Principles of Pre hospital Care, Disaster Medicine, Forensic Medicine)

9

### AURANGABAD

- MGM's Jawaharlal Nehru Engineering College
- MGM's Institute of Management
- MGM's Mother Teresa College of Nursing
- MGM's Mother Teresa Institute of Nursing Education
- MGM's College of Journalism & Media Science
- MGM's Medical Center & Research Institute
- · MGM's College of Fine Arts
- MGM's Dr. D. Y. Pathrikar College of Comp. Sc. & Tech.
- · MGM's Hospital & Research Center
- · MGM's College of Agricultural Bio-Technology
- MGM's Dept. of Bio-Technology & Bio-informaties.
- · MGM's Inst. of Hotel Management & Catering Tech.
- MGM's Institute of Indian & foreign Languages & Comm.
- MGM's College of Physiotherapy
- MGM's Hospital, Ajabnagar
- MGM's Sangeet Academy (Mahagami)
- MGM's Institute Naturopathy & Yoga
- · MGM's Sports Club & Stadium
- MGM's Institute of Vocational Courses
- MGM's Horticulture
- MGM's Health Care Management
- MGM's Junior College of Education (Eng. & Mar.)
- MGM's Sanskar Vidyalaya (Pri. & Sec. Mar.)
- MGM's Clover Dale School (Pri. & Sec. Eng.) •
- . MGM's First Steps School (Pre-Primary - English)
- MGM's Sanskar Vidyalaya (Pre-Priamary Marathi)
- MGM's School of Biomedical Sciences .

### NAVI MUMBAI

- MGM's College of Engineering & Technology •
- MGM's Institute of Management Studies & Research
- MGM's Dental College & Hospital ٠
- MGM's College of Physiotherapy
- MGM's College of Media Science
- . MGM's Institute of Research
- MGM's New Bombay Hospital, Vashi
- MGM's Hospital, CBD
- MGM's Hospital, Kamothe
- MGM's Hospital, Kalamboli
- · MGM's Infotech & Research Centre
- MGM's Pre-Primary School (English & Marathi)
- MGM's Primary & Secondatry School (Eng. & Mar.)
- MGM's Junior College Science
- MGM's Junior College of Vocational Courses
- · MGM's Florence Nightingale Inst. Nursing Edu.
- MGM's College of Nursing
- MGM's College of Law ۰

### NANDED

- MGM's College of Engineering ٠
- MGM's College of Fine Arts .
- MGM's College of Computer Science .
- MGM's College of Journalism & Media Science .
- MGM's Centre for Astronomy & Space Tech.
- MGM's College of Library & Information Science
  - PARBHANI
- MGM's College of Computer Science

NOIDA (U.P.)

MGM's College of Engineering & Technology

### IN PURSUIT OF EXCELLENCE

MGM DEEMED UNIVERSITY **OF HEALTH SCIENCES** 

### Navi Mumbai

M.G.M. Medical College M.G.M School of Biomedical Science M.G.M School of Physiotherapy M.G.M New Bombay College of Nursing

### Aurangabad

M.G.M. Medical College

M.G.M School of Biomedical Science M.G.M School of Physiotherapy M.G.M College of Nursing



**MAHATMA GANDHI MISSION** 30

0

M.G.M College of Nursing





MGM University of Health Sciences (Education - Health Services - Research) A Mission started, nurtured and Managed by Professional Doctors, Scientists Engineers...



MGM INSTITUTE OF HEALTH SCIENCES (Deemed University u/s 3 of UGC Act, 1956) Post Box -6, MGM Educational Complex, Sector-18, Kamothe, Navi Mumbai – 410209 Ph : - 022-27422471, 65168127, 65138121 Fax : 022-27420320 E-mail : mgmuniversity@mgmuhs.com Website: www.mgmuhs.com

## Resolution passed in BOM – 48/2017, dated 24/01/2017

**Resolution No. 5.25:** Resolved to institute 6 monthly progress Report for PG Students of all Courses from the batches admitted in 2016-17. [Annexure-XVII of BOM-48/2017]

.



**ANNEXURE - XVII** 

### Mahatma Gandhi Mission's Medical College and Hospital Navi Mumbai

## Six monthly Progress Report for Postgraduate Students

	<u>ART A</u>
Name of the PG student:	
Department:	
Admitted in (Month and Year):	
Name of the PG guide:	
Report for the period:	to
Attendance:days (%)	

### PART B

### Grading as per performance

Grade	irade Percentage	
A	80% and above	
B	65% to 79%	
С	50% to 64%	
D	Below 50%	

1. OPD work:

(1)

- 2. Ward work:
- 3. Lab work:
- 4. OT work:
- 5. ICU work:
- 6. Teaching assignments:

### PART C

**Progress of Thesis** 

## PART D

Activities from serial No. 1 to 5 should be rated on a scale of 0 to 10.

Sr. No.	Topic	Date	A 11	1
NPS -	ropio	Date	Guide	Marks
370				

## 1. Case Presentations

## 2. Microteaching

Sr. No.	Topic	D.I.		
	Topic	Date	Guide	Marks
				-

## 3. Recent Advances

Sr. No.	Topic	Deta		
50 T	Topic	Date	Guide	Marks
				maring
		P. P.		

11 der

2,5%0

### 4. Seminars

Sr. No.	Торіс	Date	Guide	Marks
				-

### 5. Journal Clubs

Sr. No.	Journal	Title of Paper	Date	Guide	Marks

## 6. Marks obtained in tests

Sr. No.	Date	Theory / Practical	Marks obtained

## 7. Any other academic activity conducted:

### PART E

## 1. Papers presented

Sr. No.	Title of Paper		1	
	nue of Paper	Authors	Event	Date
· · · ·				
				1
				t i

## 2. Posters presented

Sr. No.	Title of Death			
	Title of Poster	Authors	Event	Date
				1

## 3. Publications

(Note: Mention only those publications that are published or are accepted for publication during the said period only)

Sr. No.	Title of Paper	Authors	Journal	Year/Vol/ Issue	Page Nos	Indexed/ Non- Indexed	Status

## Certificate by the PG Guide

This is to certify that Dr	, has an							
His /Her performance during the said period has been satisfactory/ average / unsatisfactory.								
Overall Grading:								
Date:								
Name and Signature of PG guide:	2							
Certificate by the Head of Department								
This is to certify that the performance of Dr periodto, has been <b>satisfactory/ average</b> .	, during the <b>/ unsatisfactory.</b>							
Overall Grading:								
Date:								
Name and Signature of HOD:								
Final Remarks								
Satisfactory / Average / Unsatisfactory								

**Director (Academics)** 

Dean

Date:

1ª 11

# MS OBGY MEW CUMICULUM

**Resolution No. 1.3.10.1 of BOM-51/2017:** Resolved to accept the new curriculum for MS OBGY. & DGO from Academic Year 2017-18 onwards. [Annexure-XV]

# Curriculum for M.S. (ObGy)

The infrastructure and faculty of the department of Obstetrics & Gynaecology will be as per MCI regulation.

1. Goal

The goal of MS course in Obstetrics & Gynaecology is to produce a competent Obstetrician & Gynaecologist who:

New Currieulum

Annex ure 3 (b)

- a) Recognizes the health needs of adolescents, females in reproductive age group & post menopausal females keeping with the principles of National Health Policy and professional ethics.
- b) Is competent to manage the pathological states related to reproductive system with knowledge of Anatomy, Physiology, Pharmacology & Pathophysiology.
- c) Is aware of contemporary advances & developments in the field of maternal health & other related issues.
- d) Is oriented to principles of research methodology.
- e) Has acquired skills in educating medical and paramedical professionals.

### 2. Objectives

a) Provide quality maternal care in the diagnosis and management of Antenatal, Intranatal & Post natal period of normal and abnormal pregnancy.

- b) Provide effective & adequate care to the obstetrical and early neonatal emergencies.
- c) Provide counselling& knowledge regarding family planning methods & perform medical termination of pregnancy.
- d) Organize & implement maternal components in the "National Health Programs".
- e) Develop adequate surgical skills to manage common Obstetrical & Gynaecological problems.
- f) Medical genetics Elementary genetics as applicable to obstetrics.
- g) Gynaecological Endocrinology & Infertility knowledge.
- h) Benign & malignant Gynaecological disorder (Diagnosis & treatment).
- i) Operative procedures including Endoscopy (Diagnostic & therapeutic) & its related complications.
- j) Knowledge of interpretation of various laboratory investigations & other diagnostic modalities in Obstetrics & Gynaecology.
- k) Medical & Surgical problems and Anesthesiology related to Obstetrics & Gynaecology.
- 1) Knowledge of essentials of Pediatric & Adolescent Gynaecology, Reproductive & Child Health, Family Welfare & Reproductive tract infections.
- m) Keep abreast with advances in the field of Obstetrics& Gynaecology.
- n) Facilitate learning of medical / nursing students, para medical health workers as a teacher trainer.
- o) Demonstrate empathy & humane approach towards patients and their families.
- p) Function as a productive member of a team engaged in health care, research & education.

### 3. Syllabus

3.1. Theory

**Obstetrics**:

a) Gametogenesis fertilization, implantation and early development of embryo

b) Normal Labour

c) Anatomical and Physiological changes in female genital tract during pregnancy.

d) Pharmacology of drugs used during pregnancy, Labour, Post-partum period.

e) Development of placenta.

f) Amniotic fluid.

()

g) Anatomy of fetus, fetal growth & development, fetal physiology & circulation.

h) Puerperium – Normal

i) Malpresentation & malposition of labour

j) Abnormal Puerperium

k) CPD & its management

I) Complications of 3rd stage of labour

m) Hypertensive disorders in pregnancy

- n) Antepartum Hemorrhage
- o) PROM, PolyHydramnios, OligoHydramnios
- p) Obstetrical Hemorrhage (includes Antenatal & postpartum)
- q) Medical disorders in pregnancy
- r) Emergency Obstetric Care (Intensive Obstetrics)
- s) Antepartum & intrapartumfetal monitoring.

### Gynaecology:

- a) Normal and abnormal microbiology of genital tract & bacterial, viral & parasitic infections responsible for maternal fetal & Gynae disorders.
- b) Endocrinology related to reproduction
- c) Physiology of menstruation, ovulation, fertilization & menopause.
- d) Methods of contraception.
- e) Fibroid uterus
- f) Colposcopy & vaginal and cervical cytology
- g) Endometrial Hyperphasia, DUB, Abnormal bleeding.
- h) Endometriosis, Adenomyosis
- i) Endocrine abnormalities, Menstrual abnormalities, Amenorrhoea, PCOD, Hirsutism, Hyperprolactinemia, Thyroid disorders.
- j) Laparoscopy & Hysteroscopy

Ð

k) Ca Cervix

I) Ca Endometrium

m) Carcinoma Ovary

n) Menopause

o) Genital Fistulae / Urinary Incontinence

p) Prolapse

q) Contraception / Family Planning / Sterilization methods

r) Endometriosis, Adenomyosis

s) Infertility.

t) IVF

👷 u) Vulval disorder

## 3.2. Practical

## **Obstetrics:**

a) Venepuncture

b) Amniotomy

c) Conduct of normal Vaginal delivery

d) Episiotomy

e) Ventouse delivery

f) Forceps delivery

g) Management of Genital tract injuries

h) Exploration of Cervix

i) Lower Segment Caesarean Section

j) Manual Removal of Placenta

k) Delivery of twins

I) Management of shock

m) Management of Postpartum hemorrhage

n) Cervical Cerclage

o) Non stress Test

p) Suction Evacuation

q) Dilatation & Evacuation

r) Repair of complete perineal tear

s) Repair of cervical tear

t) Caesarean Hysterectomy

u) Reposition of inversion uterus

## Gynaecology:

a) Pap Smear

b) Wet smear examination

c) Endometrial Biopsy

d) Dilatation and Curettage/Fractional Curettege / Polypectomy

e) Cervical Biopsy

f) Cryo / Electrocautery of Cervix

g) HysteroSalpingography

h) Diagnostic Laparoscopy & Hysteroscopy

i) Opening & closing of abdomen

j) Operations for utero vaginal prolapse

k) Operations for Ovarian tumors

I) Operations for Ectopic pregnancy

m) Vaginal hysterectomy

n) Abdominal Hysterectomy

o) Myomectomy

p) Colposcopy

( )

q) Endoscopic surgery (Operative Laparoscopy & Hysteroscopy)
- r) Repair of genital fistulae
- s) Operations for Urinary incontinence
- t) Radical operations for gynaecological malignancies
- u) Intrauterine insemination
- v) Basic ultrasound / TVS
- w) Vulval Biopsy
- X) Incision & drainage

# **Family Planning**

Intra Uterine Contraception Device Insertion / removal Female sterilization (Open & Laparoscopic) MTP

# 4. Teaching Programme

# 4.1 General Principles

- a) Acquisition of practical competencies being the keystone of postgraduate medical education, postgraduate training should be skills oriented.
- b) Learning in postgraduate program is essentially self-directed and primarily emanating from clinical, operative and academic work. The formal sessions are meant to supplement this core effort.

## 4.2 Teaching Sessions

- a) Clinical case discussions: PG Bed side & Teaching rounds
- b) Seminars / Journal Club
- c) Mortality meetings
- d) Interdepartmental Meetings : Pediatrics, Radiology Others – Guest Lectures / Vertical Seminars / Central Stat Meets

# 4.3 Teaching Schedule

The Suggested departmental schedule is as follows:

1. Seminar / Symposium WEEKLY

٦

(

2. Journal Club ONCE A MONTH

3. PG Case discussion / Bed Side teaching DURING ROUNDS WITH HOD OR SENIOR FACULTY

4. Interdepartmental meet which includes meet with other specialties viz. Medicine, Surgery, Pathology, Microbiology, Gastroenterology, Anaesthesia. ONCE A MONTH

5. Maternal/Perinatology meet with Pediatric department discussing any maternal/neonatal death and other topics of common interest. ONCE A MONTH

6. Thesis meet to discuss thesis being done by the PG residents. ONCE IN 3 MONTHS

7. Grand round of the wards. ONCE A WEEK

8. Medical Ethics & Legal issues. AS & WHEN ORGANISED BY THE DEPARTMENT / COLLEGE

rightarrow Teaching schedule can be altered & Rescheduled as per HOD.

# 5. Postings

- a) Emphasis should be self-directed learning, group discussions, case presentations & practical hands on learning.
- b) Student should be trained about proper history taking, clinical examination, advising relevant investigations
- c) Their Interpretations and instituting medical surgical management by posting the candidates in OPD, specialty clinics, wards, operation theatres, labour room, family planning clinics & other departments like neonatology, radiology, anesthesia.
- d) The candidates must be trained to manage all emergency situations seen frequently.

# PRACTICAL POSTING:

# . <u>ROTATION :</u>

A resident will be rotated between 3 units at MGM Kalamboli. Posting in each unit will be for a period of 4 months each, per year for 3 years.

#### II. ALLIED POSTINGS :

A resident will be posted in allied subject as per HODs discretion during the second year for a period of 8 weeks.

SONOLOGY	2 weeks
NEONATOLOGY	2 weeks
ANAESTHESIA / ICU	2 weeks
SURGERY & ALLIED / SURGICAL ICU / OBGY	2 weeks
ICU	

## iii. <u>DUTIES :</u>

Call / Labor room / OT / Ward duties will be carried out by the resident as per respective units Call / Post call / OT days.

As ordered by the HOD / HOU.

# IV. Outreach camps:

As & when organised. A minimum of 12 each year.

# <u>Regular attendance at scientific meetings organised by OBGY</u> <u>society.</u>

# **6.** Thesis

6.1 Every candidate shall carry out work on an assigned research project under the guidance of a recognized Postgraduate Teacher, the project shall be written and submitted in the form of a thesis.

6.2 Every candidate shall submit thesis plan to the University within nine months from the date of admission.

6.3 Thesis shall be submitted to the University six months before the commencement of theory examination i.e. for examination May/June session, 30th November of the preceding year of examination and for November/December session 31st May of the year of examination.

6.4 (i)The student in consultation with Guide will identify a relevant research question;

(ii) conduct a critical review of literature;

(iii) formulate a hypothesis;

(iv) determine the most suitable study design;

(v) state the objectives of the study;

(vi) prepare a study protocol;

(vii) undertake a study according to the protocol;

(viii) analyze and interpret research data, and draw conclusions;

(ix) write a research paper.

#### 7.Assessment

All the PG residents are assessed daily for their academic activities and also periodically.

# 7.1. General Principles

- a) The assessment is valid, objective, and reliable.
- b) It covers cognitive, psychomotor and affective domains.
- c) Formative, continuing and summative (final) assessment is also conducted.,
- d) Thesis is also assessed separately.

# 7.2. Formative Assessment

The formative assessment is continuous as well as periodical. The former is be based on the feedback from the senior residents and the consultants concerned. Assessment is held periodically. Formative assessment will not count towards pass/fail at the end of the program, but will provide feedback to the candidate.

## 7.3. Internal Assessment

The performance of the Postgraduate student during the training period should be monitored throughout the course and duly recorded in the log books as evidence of the ability and daily work of the student. Marks should be allotted out of 100 as followed.

## Sr. No. Items Marks

- 1. Personal Attributes 20
- 2. Clinical Work 20
- 3. Academic activities 20
- 4. End of term theory examination 20

5. End of term practical examination 20

#### **1.** Personal attributes:

Behavior and Emotional Stability: Dependable, disciplined, dedicated, stable in emergency situations, shows positive approach.

Motivation and Initiative: Takes on responsibility, innovative, enterprising, does not shirk duties or leave any work pending.

Honesty and Integrity: Truthful, admits mistakes, does not cook up information, has ethical conduct, exhibits good moral values, loyal to the institution.

Interpersonal Skills and Leadership Quality: Has compassionate attitude towards patients and attendants, gets on well with colleagues and paramedical staff, is respectful to seniors, has good communication skills.

#### 2. Clinical Work:

15.5

20

a) Availability: Punctual, available continuously on duty, responds promptly on calls and takes proper permission for leave.

b) Diligence: Dedicated, hardworking, does not shirk duties, leaves no work pending, does not sit idle, competent in clinical case work up and management.

c) Academic ability: Intelligent, shows sound knowledge and skills, participates adequately in academic activities, and performs well in oral presentation and departmental tests.

d) Clinical Performance: Proficient in clinical presentations and case discussion during rounds and OPD work up. Preparing Documents of the case history/examination and progress notes in the file (daily notes, round discussion, investigations and management) Skill of performing bed side procedures and handling emergencies.

**3. Academic Activity:** Performance during presentation at Journal club/ Seminar/ Case discussion/Stat meeting and other academic sessions. Proficiency in skills as mentioned in job responsibilities.

## 4. End of term theory examination:

Conducted at end of 1st, 2nd year and after 2 years 9 months

## 5. End of term practical/oral examinations:

After 2 years 9 months.

Marks for **personal attributes** and **clinical work** should be given annually by all the consultants under whom the resident was posted during the year. Average of the three years should be put as the final marks out of 20.

Marks for **academic activity** should be given by the all consultants who have **attended the session** presented by the resident.

The Internal assessment should be presented to the Board of examiners for due consideration at the time of Final Examinations.

#### 7.4. Summative Assessment

a) Ratio of marks in theory and practicals will be equal.

- b) The pass percentage will be 50%.
- c) Candidate will have to pass theory and practical examinations separately.

#### **THEORY EXAMINATION :**

#### PAPER 1

Basic sciences as related to Obstetrics & Gynaecology.

#### PAPER 2

Obstetrics including the diseases of the new born.

#### PAPER 3

Principles & Practice of Gynaecology and Gynaecological Pathology.

PAPER 4

Recent advances in Obstetrics & Gynaecology.

# **CLINICAL PRACTICAL EXAMINATION:**

**1. Obstetrics:** long case 60 marks short case 40 marks

#### 2. Gynaecology:

long case 60 marks short case 40 marks

3. Table Viva:

#### **OBSTETRICS**:

Dummy & Pelvis	<b>25 m</b> arks	
Drugs	25marks	
Instruments	25marks	
Imaging & others Inv	vestigation	25marks

#### **GYNAECOLOGY:**

(

	Drugs	25marks	
	Instruments	25marks	
)	Family Planning	25marks 🖉	9 
	Imaging & others In	vestigations & Procedures	25marks

# 8. Job Responsibilities

## 8.1 OPD :

History & Work up of all cases and presentation to the consultants.

This includes all the special clinics including infertility, endocrinology, oncology, Menopause & adolescent clinic. Documentation in OPD Card, register completion and maintenance.

#### 8.2 Minor Procedures:

Aseptic Dressings / Stitch removal / Pap smear collection / Colposcopy / Cryo Cautery / Electrocautery / HSG.

# 8.3 Family Planning:

Counselling for contraception / Sterilization / IUCD insertion / Removal.

# 8.4 Labour room / L- room Recovery:

- a) History & work up of all cases.
   Examination of all patients and documentation in the files. Sending investigations & filing investigation forms.
- b) Performing NST, Maintaining partogram in in labouring patients. Monitoring vitals, uterine contractions and fetal heart rate in labouring patients, conducting deliveries, Episiotomy stitching and neonatal resusciation.

 $( \cdot )$ 

- c) I/V Line insertion, RT insertion, Catheterization, preparation of Oxytocin drip, instillation of misoprostol or Cerviprime for induction of labour.
- d) Management of sick patients including those with Eclampsia, Abruption & PPH Assessment & shifting of sick patients to ICUs.
- e) Preparation of discharge summary Preparation of weekly, monthly and annual stat.

## 8.5 Post Partum & Gynae Ward / Recovery:

- a) Care of post partum patients. Advise to post partum patients regarding breast feeding, immunization of baby & contraceptive advise to mother.
- b) History and workup of all gynae cases, examination of all patients, sending investigations and filling forms. Pre operative assessment and preparation of all patients before surgery. Aseptic dressing, suture removal.

# 8.6 Operation Theatre:

- a) Performing minor procedures like D&C, MTP, Endometrial biopsy, Cervical biopsy, Cryo Cautery, Electro cautery etc.
- b) Assisting major procedures listed above.

# 9. Suggested Books:

# OBSTETRICS:

Sn	Must Read	Desirable to Read	Good to Read
1	Williams Obstetrics	Medical disorder in pregnancy by Deswiet	Creasy & Resnik's Maternal Fetal medicine
2	Obstetrics by lan Donald	Arias, High risk pregnancy	

Sec.

## **GYNAECOLOGY:**

Sn	Must Read	Desirable to Read	Good to Read
1	Shaws textbook of gynaecology	Reproductive Endocrinoloy by Speroff	Bereks gynaecological oncology
2	Novacs Gynaecology	Telindes Operative Gynaecology	
3	Family Planning Practices by S' K Chaudhary	-	

**Resolution No. 1.3.7.11 (i) of BOM-51/2017:** Resolved that the following Bioethics topics in PG Curriculum are to be included for PG students of all specialization and a sensitization of these topics can be done during PG Induction programme:

- Concept of Autonomy
- Informed Consent
- Confidentiality
- Communication Skills
- Patient rights

à.

- Withholding / Withdrawing life-saving treatment
- Palliative Care
- Issues related to Organ Transplantation
- Surgical Research and Surgical Innovation
- Hospital Ethics Committee
- Doctor-Patient relationship

Resolution No. 1.3.10.11 of BOM-51/2017: Resolved to have 50 hours of mandatory teaching per year for PG students.

# Ida, No: 2-111

#### Department of Ob/Gy MGM Kalamboli

# Following are the lecture series to Board of Studies completed for the year 2016-2017.

Sr. No	ТОРІС
1	Preterm Labor
2	Pre Eclampsia
3	Heart disease in pregnancy
4	VOAC
5	DM & Pregnancy
6	Vacuum & Forceps Delivery
7	Fibroid Treatment
8	Endometriosis
9	DUB- Pathogenesis, Investigations
10	DUB- Treatment
11	Ovulation induction drugs
12	Cut insertion / Removal
13	Infertility-History taking and workup
14	Use of pitocin, methergine, prostaglandin in PPh
15	Anemia in pregnancy ( Management)
16	PIH & Pregnancy
17	Radiology in Obstetrics
18	Urodynamics
19	Pathology and types of SGI
20	IVT/IUT, Kellys stitch
21	Primary Amenorrhea
22	Secondary Amenorrhea
23	Puberty Menorrhagia
24	PCOS
25	Hirsutism
26	Normal delivery/ LOA/ LOP
27	IUGR
28	Radiology in Gynaec cases
29	Forceps
30	Vacuum
31	Intrapartum Monitoring

Anviegette	XVII
------------	------

32	Bleeding PV with gravid uterus in casualty
33	Soft tissue markers for aneuploidy
34	DIC
35	Liver enzymes in pregnancy
36	Acute renal failure in pregnancy
37	Heart disease in Pregnancy
38	ICU management of pregnant woman - CVP, ET, UO.
39	Preterm labor
40	DM and pregnancy ( GTT, GTD)
41	Screening & management of Rh negative mother
42	Acute pain Abdomen in pregnancy in casualty
43	Mass in Abdomen
44	Ureter and its course
45	Uterine Artery
46	Recurrent Abortion
47	Urinary
48	Gestational Diabetes Mellitus
49	Molar pregnancy
50	Previous LSCS for VBAC/TOLAC
51	Rh Negative pregnancy
52	HIV in pregnancy

4

, ¥

×.

Resolution No. 1.3.23 of BOM-51/2017: Resolved to implement a Structured Induction programme (07 days) for PG students. [Aunexure XI-IV]

ł,

4

tten No.12



Ń

#### MGM INSTITUTE OF HEALTH SCIENCES Navi Mumbai

# Induction Program for newly admitted Postgraduate students

Day 1	Address by Dean, Medical Suptd	, Director (Academics)
	Pre-test	
	<ul> <li>Communication Skills</li> </ul>	
	Universal Safety Precautions	
	Biomedical Waste Management	
	Infection Control Policy	
Day 2	Emergency services	
	La de la Nama de la Contra de C	
	Laboratory services	<ul> <li>A state state state state</li> </ul>
	Blood Bank services	
	Medicolegal issues	
	Prescription writing	
	Adverse Drug Reaction	a di seconda
	<ul> <li>Handling surgical specimens</li> </ul>	
Day 3	<ul> <li>Principles of Ethics</li> </ul>	
- an data ta	Professionalism	
	Research Ethics	and a fair and a start of the fair and the f
	Informed Consent	
	이 가지, 것이 같은 것이 같은 것이 있는 것이 같은 것이 같이 있는 것이 같이 있는 것이 같이 있다. 것이 같이 있는 것이 같이 있는 것이 같이 있는 것이 같이 있는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없 않는 것이 없는 것이 없 않는 것이 없는 것이 않이 않이 않는 것이 없는 것이 없는 것이 없는 것이 않는 것이 않이	
	Confidentiality	
	Doctor-Patient relationship	
Day 4	Research Methodology	
Day 5	<ul> <li>Synopsis writing</li> </ul>	
Day J	<ul> <li>Dissertation writing</li> </ul>	
Day 6	Statistics	
Day 7	• ATLS	
	Post-test	

The Induction Program will be conducted in the first week of June. Timing: 9.30 am to 3.30 pm

(Prof. Dr. Siddharth P. Dubhashi) Director (Academics)

MS OBGY

• •

Resolution No. 3.8.2 of BOM-52/2018: It was resolved to have the following Allied posting for PG students:

#### a) OBGY:

 $G^{*}$ 

#### Mandatory postings:

	NICU Radiology	15 days 15 days	• .
	· · ·		

Elective postings: Two postings of 15 days each from any of four posting given below may be selected by the HOD.

22

I.	Anesthesia	15 days	
II.	Surgery	15 days	
III.	Surgical ICU	15 days	
IV.	OBGY ICU	15 days	· . ·

**Resolution No. 4.5.4.2 of BOM-55/2018:** Resolved to have 10 short notes out of 11 (10 marks each) in all the papers in university examination for PG courses including superspeciality. To be implemented from batch appearing in April/May 2019 examination onwards for MD/MS/Diploma and August/September 2019 examination onwards for superspeciality.

#### Resolution No. 4.13 of BOM-55/2018: Resolved as follows:-

- (i) Slow learners must be re-designated as potential learners.
- (ii) Students scoring less than 35% marks in a particular subjects/course in the 1<sup>st</sup> formative exam are to be listed as potential learners. These learners must be constantly encouraged to perform better with the help of various remedial measures.
- (iii) Students scoring more than 75% marks in a particular subjects/course in the 1<sup>st</sup> formative exam are to be listed as advanced learners. These learners must be constantly encouraged to participate in various scholarly activities.

#### Resolution No. 3.1.4.2 of BOM-57/2019:

- i. Resolved to include "Gender Sensitization" into UG (from new batch 2019-2020) and PG (from existing batches) curricula. [Annexure-21]
- **ii.** Resolved to align the module of "Gender Sensitization" with MCI CBME pattern for MBBS students.
- iii. Resolved that Dr. Swati Shiradkar, Prof., Dept. of OBGY., MGM Medical College, Aurangabad will coordinate this activity at both campuses.

# Annexure - 21

Gender sensitization for UG (2<sup>nd</sup>, 3<sup>rd</sup>, 8<sup>th</sup> semesters) and PG (3 hours)

## **INCLUSION OF "GENDER SENSATIZATION" IN CURRICULUM**

#### Introduction :

The health care provider should have a healthy gender attitude, so that discrimination, stigmatization, bias while providing health care will be avoided. The health care provider should also be aware of certain medico legal issues related with sex & gender.

Society particularly youth & adolescents need medically accurate, culturally & agewise appropriate knowledge about sex, gender & sexuality. So we can train the trainers for the same. It is need of the hour to prevent sexual harassment & abuse .

To fulfill these objectives, some suggestions are there for approval of BOS.

# <u>Outline</u>

1)For undergraduates :- Three sessions of two hours each, one in  $2^{nd}$  term, one in  $3^{rd}$  term & one in  $8^{th}$  term.

2)For Faculties and postgraduates :- One session of two hrs .

3)For those want to be trainers or interested for their ownself, value added course, which is optional about sex, gender, sexuality & related issues.

#### **Responsibility**

ICC of MGM, MCHA , with necessary support from IQAC & respective departments.

#### **Details of undergraduate sessions**

#### 1)First session in 2<sup>nd</sup> term

Aim – To make Students aware about the concept of sexuality & gender.

To check accuracy of knowledge they have,

To make them comfortable with their own gender identify & related issues.

To make them aware about ICC & it is functioning.

**Mode** – Brain storming , Interactive power point presentation experience sharing.

**Duration** – Around two hours

**Evaluation** – Feedback from participants.

# 2)Second session in 3<sup>rd</sup> / 4<sup>th</sup> term

**Aim** – To ensure healthy gender attitude in these students as now they start interacting with patients.

To ensure that the maintain dignity privacy while interacting with patients and relatives, particularly gender related.

To make them aware about importance of confidentiality related with gender issues.

--2--

To encourage them to note gender related issues affecting health care & seek solutions.

Mode – focused group discussions on case studies, Role plays & discussion.

--3--

Duration – Around two hours.

Evaluation – Feedback from participants.

Third session in 8<sup>th</sup> term.

**Aim** – To understand effect of gender attitudes on health care in various subjects.

To develop healthy gender attitude while dealing with these issues.

**Mode** – Suggested PBL by departments individually. (In collaboration with ICC till faculty sensitization is complete)

**Evaluation** – Feedback

\*\*\*\*

--4--

# FOR POSTGRADUATES

Session of 2-3 hrs preferably in induction program.

- **Aim** To introduce medically accurate concept of gender, sex, gender role & sex role.
- To ensure healthy gender attitude at workplace.

To understand gender associated concepts on health related issues & avoid such bias wile providing health care.

To make them aware about ICC & it's functioning.

Mode – Interactive PPT

Role plays & discussion

Duration – 2 to 3 hrs

**Evaluation** – Feedback.

#### --5--

#### FOR FACULTIES

Session of 2 hours may be during combined activities.

**Aim** – To ensure clarity of concept abut gender & sex.

To discuss effect of these concept on health related issues.

To identify such gender & sex related issues in indivual subject specialties.

To discuss methodology like PBL for under graduate students when whey are in  $7^{\text{th}}-8^{\text{th}}$  semester.

Mode – Role play

Focused group discussion

**Case studies** 

**Evaluation** – Feed back.

\*\*\*\*\*



# MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956) Grade 'A' Accredited by NAAC Sector-01, Kamothe, Navi Mumbai - 410209 Tel 022-27432471, 022-27432994, Fax 022-27431094 E-mail- registrar@mgmuhs.com Website : www.mgmuhs.com

