

#### 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

# COMPETENCY BASED MEDICAL EDUCATION (CBME)

(with effect from 2019-2020 Batches)

**Curriculum for** 

Third M.B.B.S – Part II
Obstetrics & Gynecology

Approved as per AC-41/2021, Dated 27/08/2021

#### **Amended History**

| 1. | Approved a | as per AC-41/2021, | Resolution No. 5.4 | 4, Dated 27/08/2021. |
|----|------------|--------------------|--------------------|----------------------|
|    | 11         | 1 /                |                    | ,                    |

**Resolution No. 5.4 of AC-41/2021:** Resolved to approve the "Curriculum, Assessment Pattern (Theory, Practical and Internal Assessment) and Logbook of OBGY.", which is prepared according to CBME guidelines, to be implemented from UG admission batch of 2019 onwards

Annexure-60A of AC-41-2021

### MGM INSTITUTE OF HEALTH SCIENCES SYLABUS OBSTETRICS AND GYNAECOLOGY DEPARTMENT

CBME MBBS Phase- II, Phase-III, Part-I, and Phase- III, Part- II

<u>Learning Objectives for Competency Based Undergraduate Curriculum for the</u>
Indian Medical Graduate

## MGM INSTITUTE OF HEALTH SCIENCES SYLABUS OBSTETRICS AND GYNAECOLOGY DEPARTMENT CBME MBBS Phase- II, Phase-III, Part- I, and Phase- III, Part- II

#### **Theory**

| Sr.<br>No | Lecture<br>Hrs | Integrated Teaching Tutorials Seminar Hrs | Self Directed<br>Learning<br>Hrs | Total |
|-----------|----------------|---|----------------------------------|-------|
| 1.        | 25             |   |                                  | 25    |
| 2.        | 25             | 35  | 5                                | 65    |
| 3.        | 70             | 125                                       | 15                               | 210   |

#### **Clinical Posting**

**1.** Phase – 2 4 Weeks

2. Phase -3 Part -1 4 Weeks

3. Phase -3 Part -2 8+4 Weeks = 12 Weeks

Total 20 Weeks

#### <u>Phase - 2</u>

| No OG   |   |  |  |
|---------|---|--|--|
| OG1.3   | Define and discuss still birth and abortion   |  |  |
| OG 2.1  | Describe and discuss the development and anatomy of the female reproductive tract, relationship to other pelvic organs, applied   |  |  |
| OG3.1   | anatomy as related to Obstetrics and Gynaecology.  Describe the physiology of ovulation, menstruation, fertilization,   |  |  |
|         | implantation and gametogenesis.   |  |  |
| OG4.1   | Describe and discuss the basic embryology of fetus, factors influencing fetal growth and development, anatomy and physiology of placenta, and teratogenesis   |  |  |
| 00.5.1  | Describe, discuss and identify pre-existing medical disorders and   |  |  |
| OG 5.1  | discuss their management; discuss evidence-based intrapartum care   |  |  |
| OG5.2   | Determine maternal high risk factors and verify immunization status   |  |  |
| OG6.1   | Describe, discuss and demonstrate the clinical features of  |  |  |
| 0.00.1  | pregnancy, derive and discuss its differential diagnosis, elaborate the principles underlying and interpret pregnancy tests.  |  |  |
| OG7.1   | Describe and discuss the changes in the genital tract,  |  |  |
|         | cardiovascular system, respiratory, haematology, renal and gastrointestinal system in pregnancy   |  |  |
| OG8.1   | Enumerate, describe and discuss the objectives of antenatal care,   |  |  |
|         | assessment of period of gestation; screening for high-risk factors.   |  |  |
| OG8.2   | Elicit document and present an obstetric history including menstrual  |  |  |
|         | history, last menstrual period, previous obstetric history, comorbid  |  |  |
| OG8.3   | conditions, past medical history and surgical history  Describe, demonstrate, document and perform an obstetrical   |  |  |
| UG8.3   | examination including a general and abdominal examination and   |  |  |
|         | clinical monitoring of maternal and fetal well-being;   |  |  |
| OG8.5   | Describe and demonstrate pelvic assessment in a model   |  |  |
| OG9.1   | Classify, define and discuses the aetiology and management of abortions including threatened, incomplete, inevitable, missed and  |  |  |
|         | septic  |  |  |
| OG9.5   | Describe the etiopathology, impact on maternal and fetal health and principles of management of hyperemesis gravidarum  |  |  |
| OG12.3  | Define, classify and describe the etiology, pathophysiology,  |  |  |
|         | diagnosis, investigations, criteria, adverse effects on the mother and foetus and the management during pregnancy and labor, and  |  |  |
| 0010.5  | complications of diabetes in pregnancy  |  |  |
| OG12.5  | Describe the clinical features, detection, effect of pregnancy on the disease and impact of the disease on pregnancy complications and management of urinary tract infections in pregnancy  |  |  |
| OG13.1  | Enumerate and discuss the physiology of normal labor, mechanism   |  |  |
| JU13.1  | of labor in occipito-anterior presentation; monitoring of labor   |  |  |
|         | including partogram; conduct of labor, pain relief; principles of induction and acceleration of labor; management of third stage of   |  |  |
|         | labor.  |  |  |
| OG16.1  | Enumerate and discuss causes, prevention, diagnosis, management, appropriate use of blood and blood products in   |  |  |
| OG17.1  | postpartum haemorrhage  Describe and discuss the physiology of lactation  |  |  |
|         | Counsel in a simulated environment, care of the breast, importance  |  |  |
| OG17.2  | and the technique of breast feeding   |  |  |
| OG19.1  | Describe and discuss the physiology of puerperium, its complications, diagnosis and management; counselling for contraception, puerperal sterilization  |  |  |
| OG19.2  | Counsel in a simulated environment, contraception and puerperal sterilisation   |  |  |
| OG22.2  | Describe and discuss the etiology (with special emphasis on Candida, T. vaginalis, bacterial vaginosis), characteristics, clinical diagnosis, investigations, genital hygiene, management of common causes and the syndromic management |  |  |
| OG35.5  | Determine gestational age, EDD and obstetric formula  |  |  |
| OG35.11 | Demonstrate the correct use of appropriate universal precautions  |  |  |
| 0000.11 | for self-protection against HIV and hepatitis and counsel patients  |  |  |

## <u>Learning Objectives for Competency Based Undergraduate Curriculum for the Indian Medical Graduate</u>

#### <u>Phase - 3 Part - 1</u>

| No OG      |   |
|------------|---|
| No OG 1.1  | Competency: Demographic and vital statistics- Birth Rate, Maternal Mortality & Morbidity  |
| No OG 1.2  | Competency: Define and discuss perinatal mortality and morbidity including perinatal and neonatal   |
|            | mortality and morbidity audit   |
| No OG 2.1  | Competency: Define and discuss still birth and abortion   |
| No OG 8.4  | Competency: Describe and demonstrate clinical monitoring of maternal and fetal well-being   |
| No OG 8.6  | Competency: Assess and counsel a patient in a simulated environment regarding appropriate nutrition in  |
|            | pregnancy   |
| No OG 8.7  | Competency: Enumerate the indications for and types of vaccination in pregnancy   |
| No OG 8.8  | Competency: Enumerate the indications and describe the investigations including the use of ultrasound in the initial assessment and monitoring in pregnancy   |
| No OG 9.2  | Competency: Describe the steps and observe/ assist in the performance of an MTP evacuation  |
| No OG 9.3  | Competency: Discuss the aetiology, clinical features, differential diagnosis of acute abdomen in early  |
|            | pregnancy (with a focus on ectopic pregnancy) and enumerate the principles of medical and surgical management   |
| No OG 9.4  | Competency: Discuss the clinical features, laboratory investigations, ultrasonography, differential diagnosis, principles of management and follow up of gestational trophoblastic neoplasms  |
| No OG 10.1 | Competency: Define, classify and describe the aetiology, pathogenesis, clinical features, ultrasonography differential diagnosis and management of antepartum haemorrhage   |
| No OG 10.2 | Competency: Enumerate the indications and describe the appropriate use of blood and blood products, their complications and management  |
| No OG 12.1 | Competency: Define, classify and describe the etiology and pathophysiology, early detection, investigations; principles of management of hypertensive disorders of pregnancy and eclampsia, complications of eclampsia.   |
| No OG 12.7 | Competency: Describe and discuss screening, risk factors, management of mother and newborn with HIV   |
| No OG 13.1 | Competency: Enumerate and discuss the physiology of normal labor, mechanism of labor in occipito-<br>anterior presentation; monitoring of labor including partogram; conduct of labor, pain relief; principles of<br>induction and acceleration of labor; management of third stage of labor. |
| No OG 13.2 | Competency: Define, describe the causes, pathophysiology, diagnosis, investigations and management of preterm labor, PROM and postdated pregnancy   |
| No OG 13.3 | Competency: Observe/ assist in the performance of an artificial rupture of membranes  |
| No OG 13.4 | Competency: Demonstrate the stages of normal labor in a simulated environment / mannequin and counsel on methods of safe abortion.  |
| No OG 13.5 | Competency: Observe and assist the conduct of a normal vaginal delivery   |
| No OG 14.2 | Competency: Discuss the mechanism of normal labor, Define and describe obstructed labor, its clinical features; prevention; and management  |
| No OG 14.4 | Competency: Describe and discuss the classification; diagnosis; management of abnormal labor  |
| No OG 15.1 | Competency: Enumerate and describe the indications and steps of common obstetric procedures, technique and complications: Episiotomy, vacuum extraction; low forceps; Caesarean section, assisted breech delivery; external cephalic version; cervical cerclage                               |
| No OG 15.2 | Competency: Observe and assist in the performance of an episiotomy and demonstrate the correct suturing technique of an episiotomy in a simulated environment. Observe/Assist in operative obstetrics cases – including - CS, Forceps, vacuum extraction, and breech delivery                 |
| No OG 16.1 | Competency: Enumerate and discuss causes, prevention, diagnosis, management, appropriate use of blood and blood products in postpartum haemorrhage  |
| No OG 17.2 | Competency: Counsel in a simulated environment, care of the breast, importance and the technique of breast feeding  |
| No OG 18.3 | Competency: Describe and discuss the diagnosis of birth asphyxia Paed.  |
| No OG 19.1 | Competency: Describe and discuss the physiology of puerperium, its complications, diagnosis and management; counselling for contraception, puerperal sterilization  |
| No OG 19.2 | Competency: Counsel in a simulated environment, contraception and puerperal sterilisation   |
| No OG 19.3 | Competency: Observe/ assist in the performance of tubal ligation  |
| No OG 19.4 | Competency: Enumerate the indications for, describe the steps in and insert and remove an intrauterine device in a simulated environment  |

| No OG 20.1  | Competency: Enumerate the indications and describe and discuss the legal aspects, indications, methods for first and second trimester MTP; complications and management of complications of Medical Termination of Pregnancy  |  |  |  |
|-------------|---|--|--|--|
| No OG 21.1  | Competency: Describe and discuss the temporary and permanent methods of contraception, indications, technique and complications; selection of patients, side effects and failure rate including Ocs, male contraception, emergency contraception and IUCD   |  |  |  |
| No OG 21.2  | Competency: Describe & discuss PPIUCD programme   |  |  |  |
| No OG 22.2  | Competency: Describe and discuss the etiology (with special emphasis on Candida, T. vaginalis, bacterial vaginosis), characteristics, clinical diagnosis, investigations, genital hygiene, management of common causes and the syndromic management   |  |  |  |
| No OG 24.1  | Competency: Define, classify and discuss abnormal uterine bleeding, its aetiology, clinical features, investigations, diagnosis and management  |  |  |  |
| No OG 25.1  | Competency: Describe and discuss the causes of primary and secondary amenorrhea, its investigation and the principles of management.  |  |  |  |
| No OG 26.2  | Competency: Describe the causes, prevention, clinical features, principles of management of genital injuries and fistulae   |  |  |  |
| No OG 27.4  | Competency: Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of Pelvic Inflammatory Disease   |  |  |  |
| No OG 28.1  | Competency: Describe and discuss the common causes, pathogenesis, clinical features, differential diagnosis; investigations; principles of management of infertility – methods of tubal patency, ovulation induction, assisted reproductive techniques  |  |  |  |
| No OG 29.1  | Competency: Describe and discuss the etiology; pathology; clinical features; differential diagnosis; investigations; principles of management, complications of fibroid uterus  |  |  |  |
| No OG 30.1  | Competency: Describe and discuss the etiopathogenesis; clinical features; differential diagnosis; investigations; management, complications of PCOS   |  |  |  |
| No OG 31.1  | Competency: Describe and discuss the etiology, classification, clinical features, diagnosis, investigations, principles of management and preventive aspects of prolapse of uterus  |  |  |  |
| No OG 33.1  | Competency: Classify, describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations and staging of carcinoma cervix   |  |  |  |
| No OG 33.3  | Competency: Describe and demonstrate the screening for cervical cancer in a simulated environment   |  |  |  |
| No OG 33.4  | Competency: Enumerate the methods of prevention of cancer of cervix including VIA, VILI Colposcopy  |  |  |  |
| No OG 34.1  | Competency: Describe and discuss aetiology, pathology, staging clinical features, differential diagnosis, investigations, staging laparotomy and principles of management of endometrial cancer   |  |  |  |
| No OG 34.2  | Competency: Describe and discuss the etiology, pathology, classification, staging of ovarian cancer, clinical features, differential diagnosis, investigations, principal of management including staging laparotomy  |  |  |  |
| No OG 34.4  | Competency: Operative Gynaecology: Understand and describe the technique and complications:  Dilatation & Curettage (D&C); EA-ECC; cervical biopsy; abdominal hysterectomy; myomectomy; surgery for ovarian tumours; staging laparotomy; vaginal hysterectomy including pelvic floor repair; Fothergill's operation, Laparoscopy; hysteroscopy; management of postoperative complications |  |  |  |
| No OG 35.2  | Competency: Arrive at a logical provisional diagnosis after examination.  |  |  |  |
| No OG 35.3  | Competency: Recognize situations, which call for urgent or early treatment at secondary and tertiary centres and make a prompt referral of such patients after giving first aid or emergency treatment.   |  |  |  |
| No OG 35.12 | Competency: Obtain a PAP smear in a stimulated environment  |  |  |  |
| No OG 35.13 | Competency: Demonstrate the correct technique to perform artificial rupture of membranes in a simulated / supervised environment  |  |  |  |
| No OG 35.14 | Competency: Demonstrate the correct technique to perform and suture episiotomies in a simulated/ supervised environment   |  |  |  |
| No OG 36.2  | Competency: Organise antenatal, postnatal, well-baby and family welfare clinics   |  |  |  |
| No OG 36.3  | Competency: Demonstrate the correct technique of punch biopsy of uterus in a simulated/ supervised environment  |  |  |  |
| No OG 37.1  | Competency: Observe and assist in the performance of a Caesarean section  |  |  |  |
| No OG 37.4  | Competency: Observe and assist in the performance of Dilatation & Curettage (D&C)   |  |  |  |
| No OG 37.5  | Competency: Observe and assist in the performance of Endometrial aspiration - endocervical curettage (EA-ECC)   |  |  |  |
| No OG 37.6  | Competency: Observe and assist in the performance of outlet forceps application of vacuum and breech delivery   |  |  |  |
| No OG 37.7  | Competency: Observe and assist in the performance of MTP in the first trimester and evacuation in incomplete abortion   |  |  |  |
| No OG 40.1  | Competency: Describe etiology, diagnosis and management of Fever in pregnancy & its impact on pregnancy   |  |  |  |

## <u>Learning Objectives for Competency Based Undergraduate Curriculum for the Indian Medical Graduate</u>

#### <u>Phase - 3 Part - 2</u>

| Competency: Describe and discuss the basic embryology of fetus, factors influencing fetal growth and  |  |  |  |  |  |
|---|--|--|--|--|--|
| development, anatomy and physiology of placenta, and teratogenesis  |  |  |  |  |  |
| Competency: Describe, discuss and identify pre-existing medical disorders and discuss their management;   |  |  |  |  |  |
| discuss evidence-based intrapartum care   |  |  |  |  |  |
| Competency: Describe, discuss and demonstrate the clinical features of pregnancy, derive and discuss its  |  |  |  |  |  |
| differential diagnosis, elaborate the principles underlying and interpret pregnancy tests.  |  |  |  |  |  |
| Competency: Enumerate, describe and discuss the objectives of antenatal care, assessment of period of   |  |  |  |  |  |
| gestation; screening for high-risk factors.   |  |  |  |  |  |
| Competency: Describe and demonstrate clinical monitoring of maternal and fetal well-being   |  |  |  |  |  |
| Competency: Describe and demonstrate pelvic assessment in a model   |  |  |  |  |  |
| Competency: Enumerate the indications and describe the investigations including the use of ultrasound in the initial assessment and monitoring in pregnancy   |  |  |  |  |  |
| Competency: Classify, define and discuses the aetiology and management of abortions including   |  |  |  |  |  |
| threatened, incomplete, inevitable, missed and septic abortion  |  |  |  |  |  |
| Competency: Describe the steps and observe/ assist in the performance of an MTP evacuation  |  |  |  |  |  |
| Competency: Discuss the aetiology, clinical features, differential diagnosis of acute abdomen in early  |  |  |  |  |  |
| pregnancy (with a focus on ectopic pregnancy) and enumerate the principles of medical and surgical management   |  |  |  |  |  |
| Competency: Describe the etiopathology, clinical features; diagnosis and investigations, complications,   |  |  |  |  |  |
| principles of management of multiple pregnancies  |  |  |  |  |  |
| Competency: Define, classify and describe the etiology and pathophysiology, early detection,  |  |  |  |  |  |
| investigations; principles of management of hypertensive disorders of pregnancy and eclampsia,  |  |  |  |  |  |
| complications of eclampsia.   |  |  |  |  |  |
| Competency: Define, classify and describe the etiology, pathophysiology, diagnosis, investigations,   |  |  |  |  |  |
| adverse effects on the mother and foetus and the management during pregnancy and labor, and   |  |  |  |  |  |
| complications of anemia in pregnancy  Competency: Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, criteria  |  |  |  |  |  |
| adverse effects on the mother and foetus and the management during pregnancy and labor, and   |  |  |  |  |  |
| complications of diabetes in pregnancy  |  |  |  |  |  |
| Competency: Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, criteria  |  |  |  |  |  |
| adverse effects on the mother and foetus and the management during pregnancy and labor, and   |  |  |  |  |  |
| complications of diabetes in pregnancy  |  |  |  |  |  |
| Competency: Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, criteria  |  |  |  |  |  |
| adverse effects on the mother and foetus and the management during pregnancy and labor, and   |  |  |  |  |  |
| complications of heart diseases in pregnancy  |  |  |  |  |  |
| Competency: Describe the clinical features, detection, effect of pregnancy on the disease and impact of the disease on pregnancy complications and management of liver disease in pregnancy   |  |  |  |  |  |
| Competency: Describe the mechanism, prophylaxis, fetal complications, diagnosis and management of   |  |  |  |  |  |
| isoimmunization in pregnancy  |  |  |  |  |  |
| Competency: Enumerate and discuss the physiology of normal labor, mechanism of labor in occipito-   |  |  |  |  |  |
| anterior presentation; monitoring of labor including partogram; conduct of labor, pain relief; principles of  |  |  |  |  |  |
| induction and acceleration of labor; management of third stage of labor.  |  |  |  |  |  |
| Competency: Define, describe the causes, pathophysiology, diagnosis, investigations and management of   |  |  |  |  |  |
| preterm labor, PROM and postdated pregnancy   |  |  |  |  |  |
| Competency: Enumerate and discuss the diameters of maternal pelvis and types  |  |  |  |  |  |
| Competency: Discuss the mechanism of normal labor, Define and describe obstructed labor, its clinical   |  |  |  |  |  |
| features; prevention; and management  |  |  |  |  |  |
|   |  |  |  |  |  |
| Competency: Describe and discuss rupture uterus, causes, diagnosis and management.  |  |  |  |  |  |
|   |  |  |  |  |  |
| Competency: Describe and discuss rupture uterus, causes, diagnosis and management.  Competency: Describe and discuss the classification; diagnosis; management of abnormal labor  Competency: Enumerate and describe the indications and steps of common obstetric procedures,  |  |  |  |  |  |
| Competency: Describe and discuss rupture uterus, causes, diagnosis and management.  Competency: Describe and discuss the classification; diagnosis; management of abnormal labor  Competency: Enumerate and describe the indications and steps of common obstetric procedures, technique and complications: Episiotomy, vacuum extraction; low forceps; Caesarean section, assisted   |  |  |  |  |  |
| Competency: Describe and discuss rupture uterus, causes, diagnosis and management.  Competency: Describe and discuss the classification; diagnosis; management of abnormal labor  Competency: Enumerate and describe the indications and steps of common obstetric procedures, technique and complications: Episiotomy, vacuum extraction; low forceps; Caesarean section, assisted breech delivery; external cephalic version; cervical cerclage |  |  |  |  |  |
| Competency: Describe and discuss rupture uterus, causes, diagnosis and management.  Competency: Describe and discuss the classification; diagnosis; management of abnormal labor  Competency: Enumerate and describe the indications and steps of common obstetric procedures, technique and complications: Episiotomy, vacuum extraction; low forceps; Caesarean section, assisted   |  |  |  |  |  |
|   |  |  |  |  |  |

| No OG 16.1               | Competency: Enumerate and discuss causes, prevention, diagnosis, management, appropriate use of blood and blood products in postpartum haemorrhage  |  |  |
|--------------------------|---|--|--|
| No OG 16.2               | Competency: Describe and discuss uterine inversion – causes, prevention, diagnosis and management.  |  |  |
| No OG 16.3               | Competency: Describe and discuss causes, clinical features, diagnosis, investigations; monitoring of fetal well-being, including ultrasound and fetal Doppler; principles of management; prevention and counselling in FGR                                |  |  |
| No OG 17.3               | Competency: Describe and discuss the clinical features, diagnosis andmanagement of mastitis and breast abscess  |  |  |
| No OG 18.1               | Competency: Describe and discuss the assessment of maturity of the newborn, diagnosis of birth asphyxia, principles of resuscitation, common problems.  |  |  |
| No OG 18.2               | Competency: Demonstrate the steps of neonatal resuscitation in a simulated environment  |  |  |
| No OG 18.3               | Competency: Describe and discuss the diagnosis of birth asphyxia  |  |  |
| No OG 18.4               | Competency: Describe the principles of resuscitation of the newborn and enumerate the common problems encountered   |  |  |
| No OG 19.1               | Competency: Describe and discuss the physiology of puerperium, its complications, diagnosis and management; counselling for contraception, puerperal sterilization  |  |  |
| No OG 19.2               | Competency: Counsel in a simulated environment, contraception and puerperal sterilisation   |  |  |
| No OG 19.3               | Competency: Observe/ assist in the performance of tubal ligation  |  |  |
| No OG 19.4               | Competency: Enumerate the indications for, describe the steps in and insert and remove an intrauterine device in a simulated environment  |  |  |
| No OG 20.1               | Competency: Enumerate the indications and describe and discuss the legal aspects, indications, methods for first and second trimester MTP; complications and management of complications of Medical Termination of Pregnancy                              |  |  |
| No OG 20.2               | Competency: In a simulated environment administer informed consent to a person wishing to undergo Medical Termination of Pregnancy  |  |  |
| No OG 20.3               | Competency: Discuss Pre-conception and Pre Natal Diagnostic Techniques (PC& PNDT) Act 1994 & its amendments   |  |  |
| No OG 21.1               | Competency: Describe and discuss the temporary and permanent methods of contraception, indications, technique and complications; selection of patients, side effects and failure rate including Ocs, male contraception, emergency contraception and IUCD |  |  |
| No OG 21.2               | Competency: Describe & discuss PPIUCD programme   |  |  |
| No OG 23.1               | Competency: Describe and discuss the physiology of puberty, features of abnormal puberty, common problems and their management  |  |  |
| No OG 23.2               | Competency: Enumerate the causes of delayed puberty. Describe the investigation and management of common causes   |  |  |
| No OG 23.3               | Competency: Enumerate the causes of precocious puberty  |  |  |
| No OG 24.1               | Competency: Define, classify and discuss abnormal uterine bleeding, its aetiology, clinical features, investigations, diagnosis and management  |  |  |
| No OG 25.1               | Competency: Describe and discuss the causes of primary and secondary amenorrhea, its investigation and the principles of management.  |  |  |
| No OG 26.1               | Competency: Describe and discuss the etiopathogenesis, clinical features; investigation and implications on health and fertility and management of endometriosis and adenomyosis  |  |  |
| No OG 26.2               | Competency: Describe the causes, prevention, clinical features, principles of management of genital injuries and fistulae   |  |  |
| No OG 27.1               | Competency: Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of sexually transmitted infections   |  |  |
| No OG 27.2               | Competency: Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of genital tuberculosis  |  |  |
| No OG 27.3               | Competency: Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of HIV   |  |  |
| No OG 27.4               | Competency: Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of Pelvic Inflammatory Disease   |  |  |
| No OG 28.1               |   |  |  |
| No OG 28.2               | Competency: Enumerate the assessment and restoration of tubal patency   |  |  |
|                          | Competency: Describe the principles of ovulation induction  |  |  |
| No OG 28.3               |   |  |  |
| No OG 28.3<br>No OG 28.4 | Competency: Enumerate the various Assisted Reproduction Techniques  |  |  |

| No OG 30.1  | Competency: Describe and discuss the etiopathogenesis; clinical features; differential diagnosis; investigations; management, complications of PCOS  |
|-------------|--|
| No OG 30.2  | Competency: Enumerate the causes and describe the investigations and management of hyperandrogenism  |
| No OG 31.1  | Competency: Describe and discuss the etiology, classification, clinical features, diagnosis, investigations, principles of management and preventive aspects of prolapse of uterus   |
| No OG 32.1  | Competency: Describe and discuss the physiology of menopause, symptoms, prevention, management and the role of hormone replacement therapy.  |
| No OG 32.2  | Competency: Enumerate the causes of postmenopausal bleeding and describe its management  |
| No OG 33.1  | Competency: Classify, describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations and staging of carcinoma cervix  |
| No OG 33.2  | Competency: Describe the principles of management including surgery and radiotherapy of Benign, Premalignant (CIN) and Malignant Lesions of the Cervix   |
| No OG 33.3  | Competency: Describe and demonstrate the screening for cervical cancer in a simulated environment  |
| No OG 33.4  | Competency: Enumerate the methods of prevention of cancer of cervix including VIA, VILI Colposcopy   |
| No OG 34.1  | Competency: Describe and discuss aetiology, pathology, staging clinical features, differential diagnosis, investigations, staging laparotomy and principles of management of endometrial cancer  |
| No OG 34.2  | Competency: Describe and discuss the etiology, pathology, classification, staging of ovarian cancer, clinical features, differential diagnosis, investigations, principal of management including staging laparotomy   |
| No OG 34.3  | Competency: Describe and discuss the etiology, pathology, classification, staging, clinical features, differential diagnosis, investigations and management of gestational trophoblastic disease   |
| No OG 34.4  | Competency: Operative Gynaecology: Understand and describe the technique and complications: Dilatation & Curettage (D&C); EA-ECC; cervical biopsy; abdominal hysterectomy; myomectomy; surgery for ovarian tumours; staging laparotomy; vaginal hysterectomy including pelvic floor repair; Fothergill's operation, Laparoscopy; hysteroscopy; management of postoperative complications |
| No OG 35.1  | Competency: Obtain a logical sequence of history, and perform a humane and thorough clinical examination, excluding internal examinations  |
| No OG 35.2  | Competency: Arrive at a logical provisional diagnosis after examination.   |
| No OG 35.3  | Competency: Recognize situations, which call for urgent or early treatment at secondary and tertiary centres and make a prompt referral of such patients after giving first aid or emergency treatment.  |
| No OG 35.4  | Competency: Demonstrate interpersonal and communication skills befitting a physician in order to discuss illness and its outcome with patient and family   |
| No OG 35.5  | Competency: Determine gestational age, EDD and obstetric formula   |
| No OG 35.6  | Competency: Demonstrate ethical behavior in all aspects of medical practice  |
| No OG 35.7  | Competency: Obtain informed consent for any examination / procedure  |
| No OG 35.8  | Competency: Write a complete case record with all necessary details  |
| No OG 35.9  | Competency: Write a proper discharge summary with all relevant information   |
| No OG 35.10 | Competency: Write a proper referral note to secondary or tertiary centres or to other physicians with all necessary details.   |
| No OG 35.12 | Competency: Obtain a PAP smear in a stimulated environment   |
| No OG 35.14 | Competency: Demonstrate the correct technique to perform and suture episiotomies in a simulated/ supervised environment  |
| No OG 35.15 | Competency: Demonstrate the correct technique to insert and remove an IUD in a simulated/ supervised environment   |
| No OG 35.16 | Competency: Diagnose and provide emergency management of antepartum and postpartum hemorrhage in a simulated / guided environment  |
| No OG 35.17 | Competency: Demonstrate the correct technique of urinary catheterisation in a simulated/ supervised environment  |
| No OG 36.1  | Competency: Plan and institute a line of treatment, which is need based, cost effective and appropriate for common conditions taking into consideration (a) Patient (b) Disease (c) Socio-economic status (d) Institution/ Governmental guidelines.  |
| No OG 36.2  | Competency: Organise antenatal, postnatal, well-baby and family welfare clinics  |
| No OG 36.3  | Competency: Demonstrate the correct technique of punch biopsy of uterus in a simulated/ supervised environment   |
| No OG 37.1  | Competency: Observe and assist in the performance of a Caesarean section   |
| No OG 37.2  | Competency: Observe and assist in the performance of Laparotomy  |

| No OG 37.3 | Competency: Observe and assist in the performance of Hysterectomy – abdominal/vaginal                                 |
|------------|---|
| No OG 37.4 | Competency: Observe and assist in the performance of Dilatation & Curettage (D&C)                                     |
| No OG 37.5 | Competency: Observe and assist in the performance of Endometrial aspiration - endocervical curettage (EA-ECC)         |
| No OG 37.6 | Competency: Observe and assist in the performance of outlet forceps application of vacuum and breech delivery         |
| No OG 37.7 | Competency: Observe and assist in the performance of MTP in the first trimester and evacuation in incomplete abortion |
| No OG 38.1 | Competency: Observe different Laparoscopy Surgery   |
| No OG 38.2 | Competency: Observe Hysteroscopy  |
| No OG 38.3 | Competency: Laparoscopic sterilization  |
| No OG 38.4 | Competency: Assess the need for and issue proper medical certificates to patients for various purposes                |
| No OG 39.1 | Competency: Examine a rape victim and complete medico-legal formalities   |

# MGM INSTITUTE OF HEALTH SCIENCES ASSESMENT OBSTETRICS AND GYNAECOLOGY DEPARTMENT CBME MBBS Phase- III, Part- 2 University Question Paper Format for OBGY

| Paner: I | Marks: 100 | Time: 03 Hours (30 Min for MCO) |
|----------|------------|---------------------------------|

| Paper: I                            | Marks: 100        |                                    | Time: 03 Hours (30 Min for MCQ) |
|-------------------------------------|-------------------|------------------------------------|---------------------------------|
| Obstetrics & Neona                  | atology           | Section A                          |                                 |
| Multiple Choice Quest               | cions             | ( 1 Mark each)<br><b>Section B</b> | 20 Marks                        |
| Short Answer Questic                | ons               | ( 5 out of 6 )                     | 20 Marks                        |
|                                     |                   |                                    | (4 marks each)                  |
| Note: 01 Short                      | Note Question fro | om AETCOM                          |                                 |
| Long Answer Questio (Problem Based) | ns                | ( 2 out of 3)                      | 20 Marks                        |
|                                     |                   |                                    | (10 marks each)                 |
|                                     |                   | Section C                          | ,                               |
| Short Answer Questic                | ons               | (5 out of 6)                       | 20 Marks                        |
|                                     |                   |                                    | ( 4 marks each)                 |
| Long Answer Questio                 | ns                | (2 out of 3 )                      | 20 Marks                        |
| (Structured)                        |                   | ,                                  | ( 10 marks each)                |
|                                     | ·                 |                                    |                                 |

| Paper: II                             | Marks: 10    | 0                                  | Time: 03 Hours (30 Min for MCQ) |
|---------------------------------------|--------------|------------------------------------|---------------------------------|
| Gynaecology& Contr                    | aception     | Section A                          |                                 |
| Multiple Choice Questio               | ons          | ( 1 Mark each)<br><b>Section B</b> | 20 Marks                        |
| Short Answer Questions                | S            | ( 5 out of 6 )                     | 20 Marks<br>(4 marks each)      |
| Note: 01 Short No                     | ote Question | from AETCOM                        | ( 1 1 1 1 1 )                   |
| Long Answer Questions (Problem Based) | 5            | ( 2 out of 3 )                     | 20 Marks                        |
|                                       |              |                                    | (10 marks each)                 |
|                                       |              | Section C                          | ,                               |
| Short Answer Questions                | S            | (5 out of 6 )                      | 20 Marks<br>( 4 marks each)     |
| Long Answer Questions (Structured)    | 3            | (2 out of 3)                       | 20 Marks<br>( 10 marks each)    |

#### Term Ending Theory Question Paper Format for OBGY

(Phase-II, Phase –III Part- I & Phase- III Part- 2)

Marks: 40 Time: 03 Hours (20 Min for MCQ)

**Section A** 

Multiple Choice Questions (4 MCQ ) 04 Marks

**Section B** 

Short Answer Questions (4 out of 05) 16 Marks

(4 marks each)

**Note: 01 Short Note Question from AETCOM** 

Long Answer Questions (2 Out of 3) 20 Marks

(10 marks each)

#### **Internal Examination & Assessment Format as per CBME & GME 2019**

|        | Internal Examinat   | ion Format – O                  | BGY                              |           |  |
|--------|---|---------------------------------|----------------------------------|-----------|--|
| Sr. No | Particular  |                                 | Theory Practica                  |           |  |
|        | Pha   | se II                           |                                  |           |  |
| 1      | Phase II – Two Theory Exams in a pro<br>( 40 Marks each)                      | 80                              | NA                               |           |  |
| 2      | Post ending Examination   |                                 | 10                               | 50        |  |
|        | Phase II  | II (Part I)                     |                                  |           |  |
| 1      | Phase III – Two Theory Exams in a pr<br>( 40 Marks each)                      | 80                              | NA                               |           |  |
| 2      | Post ending Examination   |                                 | 10                               | 50        |  |
|        | Phase II  | I (Part II)                     |                                  |           |  |
| 1      | Phase IV - Term examination (Paper I  | 40                              | NA                               |           |  |
| 2      | Phase IV - Prelim examination (Paper  | 200                             | 200                              |           |  |
| 3      | Post ending Examination   |                                 | 10                               | 50        |  |
|        | Total Internal Examination Ma   | 430                             | 350                              |           |  |
|        | Internal Assessi  | ment Calculation                | n                                |           |  |
| Sr. No | Particular  |                                 | Theory                           | Practical |  |
| 1      | All internal examinations including pre<br>examination (Theory And Practical) | 180                             | 180                              |           |  |
| 2      | Logbook Assessment<br>(SDL, AETCOM and Logbook, compete                       | 20                              | 20                               |           |  |
|        | Total Internal Assessment Ma  | 200                             | 200                              |           |  |
|        | ory Internal Examination marks<br>to <b>200 marks</b>                         | 350Practical Intereduced to 200 | ernal Examination marks<br>marks |           |  |

# MGM INSTITUTE OF HEALTH SCIENCES, NAVI MUMBAI REVISED MARKSHEET FOR CLINICAL / PRACTICAL AND VIVA-VOCE EXAMINATION

#### THIRD MBBS - PART - II

EXAMINATION CENTRE: MGM MEDICAL COLLEGE,

Date:-

#### **SUBJECT: OBSTETRICS AND GYNAECOLOGY**

| Long Case (Obs)              |    |  |  |  |  |  |  |
|------------------------------|----|--|--|--|--|--|--|
| History                      | 20 |  |  |  |  |  |  |
| Clinical Exam                | 20 |  |  |  |  |  |  |
| Investigations and diagnosis | 20 |  |  |  |  |  |  |

| Oral                           |    |
|--------------------------------|----|
| Obstetrics Viva                | 20 |
| Gynaecology Viva               | 20 |
| Maternity Cases/delivery cases | 20 |

| Short case (Gyn) |    |  |  |  |  |  |  |
|------------------|----|--|--|--|--|--|--|
| Presentation     | 20 |  |  |  |  |  |  |
| Discussion       | 20 |  |  |  |  |  |  |

| Family Planning | 40 |
|-----------------|----|
|-----------------|----|

| SEA<br>T<br>NO | Long<br>Case |   | Tot<br>al | 1  | or<br>t<br>se | Tot<br>al | Famil<br>Y<br>Plann<br>ing | Clini<br>cal<br>Tota<br>I | Ob<br>st.<br>Viv<br>a | Gy<br>na.<br>Viv<br>a | Maternity<br>Cases/de<br>livery<br>cases | OR<br>AL | Total<br>Pract<br>ical |     |
|----------------|--------------|---|-----------|----|---------------|-----------|----------------------------|---------------------------|-----------------------|-----------------------|--|----------|------------------------|-----|
| Mar<br>ks      | 0            | 0 | 0         | 60 | 0             | 0         | 40                         | 40                        | 140                   | 20                    | 20                                       | 20       | 60                     | 200 |
|                |              |   |           |    |               |           |                            |                           |                       |                       |  |          |                        |     |



#### 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

