

MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – JULY 2023

PAPER I

Monday, July 03, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Describe the pelvic floor anatomy with diagrams. A 29 year old P1L1 presents with mass per vagina. List out the possible differential diagnosis with justification. Write in detail indications, principles, steps and complications of Fothergill operation

(15 marks)

2. Describe the development of female genital tract. Classify the mullerian anomalies. Discuss management options.

(15 marks)

3. **Short Essay Questions (Write briefly on):**

3A. Neonatal seizures: Causes and Evaluation

3B. Discuss immunology in trophoblastic disease

3C. Screening for fetal abnormalities in the first trimester

3D. Physiology of lactation. Drugs used to stimulate and suppress lactation

3E. PCOS: Diagnostic Criteria, Lab Evaluation

3F. Role of Mifepristone in obstetrics and gynecology

3G. Active management of third stage of labour with a note on newer uterotonics

3H. Lymphatic drainage of cervix and its significance

3I. Low dose aspirin use in obstetrics: Indications, mechanism, side effects

3J. Myomectomy: Principles, measures to decrease blood loss

(7 marks × 10 = 70 marks)



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PAPER II

Tuesday, July 04, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. A primigravida aged 21 years reported at 32 weeks of gestation with painless watery discharge per vaginum. How will you take history and examine her? Discuss in detail the management of the patient.

(15 marks)

2. Describe the pathophysiology of eclampsia. Briefly outline the management for a 28 year old G4P1L1A2 at 34 weeks of gestation with eclampsia

(15 marks)

3. **Short Essay Questions (Write briefly on):**

3A. Mechanism of labor in Occipitoposterior position

3B. Methods of assessment of fetal growth restriction

3C. Nifedipine in Obstetrics

3D. Complications of fibroids in pregnancy and their management

3E. Umbilical cord – Anatomy and abnormalities

3F. Non nutritional anemia in pregnancy: Causes and Laboratory Evaluation

3G. 'Janani Suraksha Yojana' (JSY)

3H. Asphyxia neonatorum-causes, clinical assessment, resuscitation

3I. Criteria for vaginal delivery in Twins with a note on delivery of second baby

3J. Evaluation of renal failure in obstetrics

(7 marks × 10 = 70 marks)



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PAPER III

Wednesday, July 05, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Discuss evaluation and management of post hysterectomy vault prolapse. (15 marks)
2. Describe natural history of cervical cancer. Discuss various preventive strategies for the same. (15 marks)

3. **Short Essay Questions:**

- 3A. Non-surgical management options for adenomyosis
 - 3B. Tumor markers in gynaecology
 - 3C. Ethical issues in Surrogacy
 - 3D. Puberty menorrhagia – Causes and management
 - 3E. Etiology and management of Pyometra
 - 3F. Stages of menopause: presentation and management
 - 3G. Role of color Doppler in gynecology
 - 3H. Classification and clinical presentation of Mullerian abnormalities
 - 3I. Critically evaluate various tubal patency tests
 - 3J. Describe PALM COEIN classification system for Abnormal Uterine bleeding
- (7 marks × 10 = 70 marks)



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PAPER IV

Thursday, July 06, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essays:**

1. Discuss Role of 11 to 13 weeks scan in Downs syndrome screening and prediction of preeclampsia. Briefly write on management options based on abnormal results.

(15 marks)

2. Critically evaluate the role of Hormone Replacement therapy in various age groups

(15 marks)

3. **Short Essay questions (Write briefly on):**

3A. Medical management of Endometriosis

3B. Diagnosis and management of Tuberculosis in pregnancy

3C. Role of Misoprostol in Induction of labour and abortion

3D. Adjuvant treatment in post-surgical cases of endometrial carcinoma

3E. Fertility sparing treatment in cervical cancer

3F. Genetic testing for epithelial ovarian cancer

3G. Carbetocin in the prevention of PPH

3H. Diagnosis and management of foetal anaemia

3I. Predictors of preterm birth

3J. Role of Doppler in the management of early onset foetal growth restriction

(7 marks × 10 = 70 marks)

