

MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – MAY 2021

PAPER I

Monday, May 03, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

✍ **Long Essay Questions:**

1. Write on development and anatomy of ovary. Describe physiology of ovulation. (15 marks)

2. Describe phases of parturition and write briefly on physiological events during these phases. (15 marks)

3. **Short essay questions:**

3A. The course of pelvic ureter and its applied aspects in gynecological surgery

3B. Lymphatic drainage of vulval cancer

3C. Theories of endometriosis.

3D. The changes in cardiovascular system and their clinical implications during pregnancy

3E. Antihypertensive drugs used during pregnancy

3F. Hormonal management of abnormal uterine bleeding

3G. Principles of chemo radiation and the radiation dose used in carcinoma cervix

3H. Placental hormones and their functions

3I. Cephalopelvic assessment and its interpretation

3J. Dynamics of amniotic fluid and its clinical significance

(7 marks × 10 = 70 marks)



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PAPER II

Tuesday, May 04, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

✍ **Long Essay Questions:**

1. Discuss different methods of screening and diagnosis of Gestational diabetes (GDM). Write complications and management of GDM.

(15 marks)

2. Write on etiology, diagnosis, grading and management of abruption.

(15 marks)

3. Short essay questions:

3A. How pregnancy affects metabolism of antiepileptic drugs and Principles of antiepileptic prescription during pregnancy.

3B. Indications, prerequisites, steps and complications of forceps delivery

3C. Management of Grave's disease complicating pregnancy.

3D. Ways to reduce incidence of primary caesarean section

3E. Decision making and management of post caesarean pregnancy

3F. Causes and management of neonatal jaundice

3G. Auditing near miss maternal morbidity in modern obstetrics

3H. Management of pregnancy of unknown location

3I. Management of Rh isoimmunisation

3J. Management of shoulder dystocia

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – MAY 2021****PAPER III**

Wednesday, May 05, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Illustrate your answers with diagrams, flow charts wherever appropriate.

✍ Long Essay Questions:

1. Classify primary amenorrhoea. Discuss etiology, evaluation and management of same
(15 marks)

2. Critically evaluate POPQ system for classifying pelvic organ prolapse. Draw POPQ grid with an example. Discuss management of uterovaginal prolapse in an old woman with medical comorbidities.
(15 marks)

3. Short essay questions:

3A. Diagnosis and management of genital tuberculosis

3B. Causes and management of infertility in endometriosis

3C. Describe 2018 FIGO Staging of Carcinoma cervix and changes in the management based on it

3D. Write briefly on concerned based management of PCOS

3E. Classify germ cell tumors and write management of dysgerminoma

3F. Adolescent contraception.

3G. MTP Act of India and discuss the ethical issues involved in it

3H. Different modalities of management of fibroid

3I. Diagnosis and management of over active bladder

3J. Different methods of female sterilization and critically evaluate them

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – MAY 2021****PAPER IV**

Thursday, May 06, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Illustrate your answers with diagrams, flow charts wherever appropriate.

✍ Long Essay Questions:

1. Discuss the aetiology and management options for recurrent early pregnancy losses. (15 marks)
2. Discuss the role of an ultrasound between 11 and 14 weeks of pregnancy. (15 marks)

3. Short essay questions:

- 3A. The role of Preimplantation genetic diagnosis (PGD)
- 3B. The indications and technique of hysteroscopic surgery and describe the measures used to reduce the complication rates
- 3C. The newer progesterone only contraceptive methods
- 3D. Indication and procedure and complications of intra uterine transfusion
- 3E. Role of magnetic resonance imaging in obstetrics and gynecology
- 3F. The recent techniques of intrapartum fetal monitoring and analyse their role
- 3G. Current advances of Doppler ultrasound in obstetrics
- 3H. Indications and steps of IVF-ET (In vitro fertilization and Embryo transfer)
- 3I. Role of Magnetic resonance guided focused ultrasound in gynecology
- 3J. The recent trends in management of ectopic pregnancy

(7 marks × 10 = 70 marks)

