

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2021

PAPER I

Monday, October 11, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer ALL the questions.**

☞ **Long essay questions:**

1. Describe fetal circulation and changes at birth

(15 marks)

2. Describe estrogen synthesis. Write the uses of estrogens in Gynecology.

(15 marks)

3. **Write short notes on:**

3A. Role of HPV infection in the development of carcinoma of cervix

3B. Lymphatic drainage of vulva

3C. Role of tocolytics in preterm labour

3D. Course of ureter in pelvis

3E. Pathophysiology of DIC in obstetrics

3F. Tests of ovarian reserve

3G. Uses of ultrasound in multiple gestation

3H. Anatomy of pelvic floor

3I. Pathophysiology of complete and partial mole

3J. Role of MgSO₄ in preterm labour

(7 marks × 10 = 70 marks)



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PAPER II

Tuesday, October 12, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essay questions:**

1. Discuss intrapartum foetal surveillance methods and their interpretations.

(15 Marks)

2. Write criteria for diagnosis of APLA syndrome. Discuss management of a case of Bad Obstetric History with APLA positive status.

(15 marks)

3. **Write short notes on:**

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

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

3C. Obstetric management of retro-positive woman after 36 weeks of gestation.

3D. Management of eclamptic seizures.

3E. Labour analgesia for forceps delivery.

3F. Tocolysis for preterm labour in woman with polyhydramnios

3G. Role of ultrasound in the management of Rh isoimmunised pregnancy.

3H. Newborn resuscitation.

3I. National programs aimed at reduction of maternal mortality.

3J. Auditing near miss maternal morbidity in modern obstetrics.

(7 marks × 10 = 70 marks)



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

Wednesday, October 13, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essay questions:**

1. Write chemoradiation protocol for Stage 2 B Carcinoma cervix. Discuss radiation complications and prevention.

(15 marks)

2. Discuss causes, evaluation and management of primary amenorrhoea with abnormal FSH levels.

(15 marks)

3. **Write short notes on:**

3A. Discuss conservative surgeries for ovarian tumours.

3B. Write about the complications of Hysteroscopy. Comment on distension media used for the procedure.

3C. Discuss surgical management of endometriosis.

3D. Discuss evaluation of urinary fistula in gynaecology. Write briefly on uterovesical fistula.

3E. Discuss tumour spread in metastatic choriocarcinoma. Write their clinical features and prognostic implications.

3F. Discuss factors for tubal sterilization failure. Mention measures adopted by Government of India for failed sterilization.

3G. Discuss causes and management of premalignant lesions of vulva.

3H. Describe briefly the laparoscopic procedures for pelvic organ prolapse.

3I. Write briefly on types, causes and treatment of dyspareunia.

3J. List the causes of vaginal bleeding in prepubertal girl. Discuss their management.

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
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PAPER IV

Friday, October 15, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essay questions:**

1. Discuss critically instrumental (vacuum/forceps) delivery vs. caesarean delivery in prolonged second stage of labour.

(15 marks)

2. What are the strategies to limit the multiple gestation risk during assisted reproductive technology? Describe the procedure of Fetal reduction.

(15 marks)

3. **Write short notes on:**

3A. NIPT (Non invasive prenatal testing)

3B. Protocols for controlled ovarian hyperstimulation in In Vitro Fertilisation

3C. Indications of chorionic villous sampling and complications

3D. Medical indications for surrogacy and ethical issues in the surrogacy bill

3E. Gynecological implications of mullerian abnormalities

3F. Sentinel node biopsy in gynaecological malignancy

3G. Measure to prevent mother to child transmission of HIV

3H. Criteria for identifying maternal near miss cases

3I. Role of biomarkers in prediction of pre-eclampsia

3J. Indications of colposcopy and its interpretations

(7 marks × 10 = 70 marks)

