

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2019

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Tuesday, April 02, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Describe Caldwell Moley classification of pelvis. Write clinical significance of each type.
(15 marks)

2. Describe the course of the ureter and the potential sites of injury during gynaecological surgery. What precautions should be taken to minimize ureteric injuries?
(15 marks)

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

3A. Screening for Down syndrome.

3B. Pudendal nerve and pudendal block anaesthesia.

3C. Transformation zone of the cervix and its evaluation.

3D. Disseminated intravascular coagulopathy in obstetrics: causes, activation pathways and diagnosis.

3E. Teratogenic period and the guidelines for prescribing drugs during pregnancy.

3F. Pathophysiology and management of menopausal vasomotor symptoms.

3G. Normal vaginal ecosystem and clinical consequences of its derangement.

3H. Physiological mechanism of formation of amniotic fluid and causes of oligohydramnios.

3I. Biomarkers of ovarian reserve.

3J. Lymphatic drainage of cervix and its clinical significance.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2019

**SUBJECT: PAPER II: OBSTETRICS INCLUDING SOCIAL OBSTETRICS & DISEASES OF
NEWBORN**

Wednesday, April 03, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Critically evaluate the antenatal tests of fetal well being.

(15 marks)

2. Explain laboratory criteria for diagnosis of APLA syndrome. Discuss the role of antiphospholipid antibodies in adverse pregnancy outcome and write the management.

(15 marks)

3. **Short Essay Questions:**

3A. Outline the management of retained placenta.

3B. Discuss clinical problems, investigations and management of chronic renal disease in pregnancy.

3C. Write briefly about epidural analgesia in labour.

3D. Write briefly on current recommendations regarding immunization during pregnancy.

3E. Discuss the management of haemorrhage during Cesarean Section.

3F. Discuss neonatal evaluation and management for a baby born to Rh isoimmunised mother.

3G. Describe the phases of 2nd stage of labor and discuss the management of delayed 2nd stage.

3H. Discuss briefly on maternal mortality audit. Write different types of audit and their significance.

3I. Discuss management of an adnexal mass during pregnancy.

3J. Write the prerequisites and treatment protocol for indomethacin tocolysis. Write its merits and demerits.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2019

SUBJECT: PAPER III: GYNAECOLOGY

Thursday, April 04, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Discuss causes, evaluation and management of eugonadotrophic primary amenorrhoea. (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: (Write briefly on)**

3A. Steps of Werthiem's hysterectomy.

3B. Complications due to distension media in operative hysteroscopy and their prevention.

3C. Tubal microsurgery in the management of infertility and its pros and cons.

3D. Evaluation and management of 8 year old girl with history of vaginal bleeding.

3E. Adolescent contraception.

3F. Management of 60 year old lady with low T score on DEXA scan.

3G. Criteria for diagnosis of borderline ovarian tumours, its management in an unmarried 22 year old lady.

3H. Confirmative tests and further management of suspected ureteric damage in its pelvic part during surgery for difficult endometriosis.

3I. Surgeries for supratrigonal vesicovaginal fistulae and post-procedural care.

3J. Management of pyometra in a 60 year old lady.

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2019****SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY**

Friday, April 05, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Critically evaluate role of instrumental deliveries in modern obstetrics. What are the modifications in ventouse apparatus?

(15 marks)

2. Discuss indications and protocols for surrogacy. Briefly write on ICMR guidelines for the same.

(15 marks)

3. **Short Essay Questions:**

3A. Discuss causes, evaluation and treatment of acute renal failure in pregnancy.

3B. What are the modifications in recent WHO partograph? Write briefly on second stage partogram.

3C. Describe screening for HIV. Write briefly about post exposure prophylaxis.

3D. Describe cardiopulmonary resuscitation for a pregnant woman.

3E. Discuss the hindrances in implementation of PC-PNDT act.

3F. Discuss medical problems associated with hydatidiform mole.

3G. Discuss the various ovarian reserve tests used to predict poor responders in ART and their management.

3H. What are the goals of cytoreductive surgery in ovarian cancer? Discuss merits and demerits of cytoreduction.

3I. Discuss the role of laparoscopic surgery during pregnancy for surgical causes. Enumerate the precautions to avoid complications.

3J. Write the treatment protocol for indomethacin tocolysis with its merits and demerits.

(7 marks × 10 = 70 marks)

