

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2020

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Monday, October 05, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay Questions:

1. Describe Perineal body. Mention the parts of Levator Ani muscle. State it's importance in obstetrics and gynaecology.

(15 marks)

2. Describe the pathways of Estrogen synthesis. Write on different estrogens and their use in Gynecology

(15 marks)

3. **Write briefly on:**

3A. Fetal circulation.

3B. Lymphatic drainage of vulva and it's clinical significance.

3C. The histopathology of endometrial malignancies.

3D. Vaginal microbial flora.

3E. Insulin resistance and its significance in obstetrics and gynaecology.

3F. Role of Alpha feto protein in obstetrics and gynaecology.

3G. Pharmacokinetics of Magnesium sulphate.

3H. Role of viral infections in the aetiology of carcinoma cervix.

3I. Iron metabolism in pregnancy.

3J. Spermatogenesis.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2020

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

Tuesday, October 06, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay Questions:

1. Classify hypertensive disorders in pregnancy. Write briefly on Cardiovascular, Haematological and renal changes in preeclampsia. Discuss prediction and prevention of same

(15 marks)

2. What are the causes of rupture uterus? Write diagnosis and Management of same

(15 marks)

3. Write briefly on:

3A. Recommendations for Immunization during pregnancy.

3B. Types of Prostaglandins and their role in Obstetrics.

3C. Postpartum depression – diagnosis and management

3D. Malaria in pregnancy – investigations and management

3E. Role of Cervical Cerclage in current practice

3F. Role of oral hypoglycaemic agents in gestational diabetes mellitus

3G. Parenteral iron therapy

3H. Role of Classical caesarian in current practice

3I. Definition of PPH and internal iliac ligation.

3J. Shoulder dystocia diagnosis & management.

(7 marks × 10 = 70 marks)



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SUBJECT: PAPER III: GYNAECOLOGY

Wednesday, October 07, 2020

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. Write etiology, staging, evaluation and management of vulval carcinoma
(15 marks)

3. Write briefly on:

3A. Causes, evaluation and management of vaginitis

3B. Causes of infertility in endometriosis and its management

3C. The principles, steps and complications of different conservative operations for nulliparous prolapse

3D. Protocols used for induction of ovulation in Polycystic ovarian syndrome with their pros and cons

3E. Diagnosis and management of Borderline ovarian tumors

3F. Different methods of emergency contraception and their shortcomings

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

3H. Principles of myomectomy and measures to reduce blood loss during myomectomy

3I. Management of vasicovaginal fistula

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

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2020

SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY

Thursday, October 08, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay Questions:

1. Discuss management of HIV discordant couples before and after conception. (15 marks)
2. Discuss the risk factors, screening and prevention of postmenopausal osteoporosis. (15 marks)

3. Short Essay Questions:

- 3A. Discuss problems in managing an obese pregnant woman.
- 3B. Discuss recent advances in conservative management of fibroid uterus.
- 3C. Describe the principles of Doppler. Discuss the role of Doppler in 2nd trimester of pregnancy.
- 3D. Describe different anomalies of fetal urinary tract, diagnosis and their antenatal management.
- 3E. Discuss the tests for ovarian reserve and management of premature ovarian failure.
- 3F. Critically evaluate the role of MTP act on failure of PC-PNDT act.
- 3G. Discuss prepregnancy and antenatal care in a woman with previous Down syndrome baby.
- 3H. Discuss evaluation and management of victim of sexual assault.
- 3I. Discuss management of vaginal discharge in retro-positive woman. Write counseling for contraception and reproductive health.
- 3J. Write briefly on role of sentinel node in gynaecological cancers.

(7 marks × 10 = 70 marks)

