

MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2022

PAPER I

Monday, October 03, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Describe the carbohydrate metabolism in pregnancy and its consideration while planning medical nutrition therapy for diabetes in pregnancy; Discuss the fetal effect of diabetes in pregnancy.

(15 marks)

2. Describe the pelvic fascia with its condensations. Explain their role in prevention of pelvic organ prolapse and incontinence. Explain the principles of sling operations for urinary incontinence.

(15 marks)

3. **Write short notes on:**

3A. Role of Human Papilloma Virus in screening/diagnosis of cervical epithelial abnormalities.

3B. Types of breech presentations and clinical problems.

3C. Fetal lung maturity.

3D. Platinum based chemotherapy in Gynecologic cancers.

3E. Borderline pelvis and clinical implications in obstetrics.

3F. Progesterones in the treatment of abnormal uterine bleeding.

3G. Non Invasive Prenatal Testing.

3H. Developmental anomalies of vagina.

3I. Clinical presentations and ultrasound findings in relation to the sites of ectopic pregnancy.

3J. Laparoscopy ports for pelvic surgeries- safety measures and ergonomics.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2022

PAPER II

Tuesday, October 04, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Discuss the modern management of Rhesus isoimmunized pregnancy diagnosed at 26 weeks of gestation.

(15 marks)

2. Discuss the difficulties that may be encountered in assisted breech delivery and their management.

(15 marks)

3. **Short Essay Questions:**

3A. Describe neonatal resuscitation.

3B. Describe the management of hypothyroidism complicating pregnancy.

3C. Describe the mechanism and management of twin-twin transfusion syndrome.

3D. Discuss the nonhaemorrhagic causes of postpartum collapse. Outline its management.

3E. Discuss two important randomised control trials in eclampsia.

3F. Discuss active phase labour disorders and their management.

3G. Describe the strategies to be adopted to achieve MDG 4 and 5 in India.

3H. Write briefly on cardiac interventions/surgery during pregnancy. List cardiac conditions where pregnancy is contraindicated.

3I. What are the periodic changes of fetal heart rate? Explain their significance in pregnancy and labour.

3J. Discuss diagnosis and management of caesarean scar pregnancy.

(7 marks × 10 = 70 marks)



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PAPER III

Thursday, October 06, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Describe the strategies to be taken to prevent vault prolapse during hysterectomy. (15 marks)
2. Discuss hormonal treatment for gynaecological disorders. (15 marks)

3. **Short Essay Questions:**

- 3A. Write the diagnostic work up and management of a case of hirsutism in a lady aged 20.
- 3B. Discuss minipill as a contraceptive method. Discuss critically the newer progestins used in oral contraceptive pill.
- 3C. Discuss the management of malignant germ cell tumors of ovary.
- 3D. Discuss the evaluation and management of acute pelvic inflammatory disease.
- 3E. Discuss the management of 19 year old lady diagnosed with 9 cm chocolate cyst of the ovary.
- 3F. Discuss complications and safety measures in gynaecological endoscopy.
- 3G. Enumerate the causes for hyperprolactinemia. Discuss the management of pituitary macroadenoma.
- 3H. Write briefly on urological problems seen in advanced carcinoma cervix and discuss their management.
- 3I. Describe diagnosis and preventive measures of anorectal dysfunction due to obstetric causes.
- 3J. Discuss clinical features and management of vulvar lesions.

(7 marks × 10 = 70 marks)



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PAPER IV

Friday, October 07, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essays:**

1. Describe in detail the Global Strategies for Cervical Cancer Elimination. Write critical changes in the staging of Carcinoma cervix in recent years.

(15 marks)

2. Discuss Management of Pregnant Women (affected & exposed) in COVID-19 Pandemic.

(15 marks)

3. **Write short notes on:**

3A. Carbetocin versus oxytocin for Post-partum Hemorrhage.

3B. Oral GnRH antagonist in Gynecology.

3C. Screening of Pre-eclampsia.

3D. Recent advances & research in Male Contraception.

3E. National Guidelines for screening of Gestational Diabetes Mellitus.

3F. Recent advances in the surgical management of Stress Incontinence.

3G. Safety of menstrual cups in Young Girls.

3H. WHO next generation partogram.

3I. FIGO staging for carcinoma of the vulva with recent revisions.

3J. Medical Termination of Pregnancy (Amendment) Bill, 2020.

(7 marks × 10 = 70 marks)

