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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – JUNE 2024

PAPER I

Monday, June 10, 2024

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Describe nerve supply of female genital tract. Discuss the methods for pain relief in labour
(15 marks)

2. Describe ovarian steroidogenesis. How would you investigate and manage an 18 year old unmarried girl with hirsutism.
(15 marks)

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

- 3A. Role of ductus venosus Doppler in singleton and twin gestation
 - 3B. Quadruple test: Components, Interpretation and action plan
 - 3C. Estrogen preparations for hormone replacement therapy in various age groups
 - 3D. Pathophysiology and complications of Abruption placentae
 - 3E. Vaccines for HPV: Preparations, Schedule, Complications
 - 3F. Hydatiform mole: Aetiopathology, differences between partial and complete moles
 - 3G. Role of GnRH in gynaecology
 - 3H. Immunology of Recurrent pregnancy loss
 - 3I. Hyperprolactinaemia: Causes, clinical features & management
 - 3J. Strategies to prevent perinatal HIV transmission
- (7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – JUNE 2024

PAPER II

Tuesday, June 11, 2024

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer ALL the questions.**

☞ **Long Essay Questions:**

1. A 24yrs old Primigravida with 8 weeks pregnancy presented with bleeding per vaginum and pain in abdomen. Give the differential diagnosis. Her bHCG is 3000 mIU/ml and USG shows empty uterine cavity. What additional USG findings you will look for to decide further course of action? Discuss in brief about role of medical and surgical management in this condition.

(15 marks)

2. A 30 yrs old G5P4L4 with 33 weeks pregnancy presented with moderate anaemia. Discuss causes, evaluation and management including labour aspects.

(15 marks)

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

3A. Hypoxic ischaemic encephalopathy – pathophysiology and management

3B. Immunisation in pregnancy

3C. Maternal and child health programmes in India

3D. Medical Nutritional Therapy (MNT) in GDM

3E. Asymptomatic bacteriuria in pregnancy: Diagnosis & Management

3F. Intrahepatic cholestasis of pregnancy: Clinical features and Laboratory Assessment

3G. Critically evaluate the screening and diagnostic tests of diabetes in pregnancy

3H. Fetal surveillance in a growth restricted fetus

3I. Antihypertensive drugs in pregnancy

3J. Strategies to reduce lower segment caesarean section rate

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
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PAPER III

Wednesday, June 12, 2024

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Discuss the evaluation and management of precocious puberty. (15 marks)

2. Discuss management of advanced endometrial carcinoma. (15 marks)

3. **Short Essay Questions:**

3A. Controlled ovarian stimulation in assisted reproduction

3B. Screening for ovarian cancer

3C. 'Screen and treat' versus 'screen-triage and treat' approach in prevention of cervical cancer

3D. Minimally invasive surgery in uterine fibroids

3E. Diagnosis of ovarian sex cord stromal tumors

3F. Role of Urodynamics in Gynae-Urology

3G. Fertility sparing approach in gynecologic cancers

3H. Deep infiltrating endometriosis: Clinical features, diagnosis and management

3I. Role of MRI in benign and malignant gynaecological conditions

3J. Conservative surgeries in pelvic organ prolapse

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
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PAPER IV

Thursday, June 13, 2024

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay questions:**

1. Discuss indications for in vitro fertilization with egg donation. Outline the management of pregnancy following IVF with egg donation.

(15 marks)

2. Discuss the principles of safe abdominal entry in laparoscopic gynecologic surgery. Outline the role of laparoscopy in the management of chronic pelvic pain.

(15 marks)

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

3A. Medical therapy for fibroids

3B. Labour analgesia in Obstetrics

3C. Carbetocin in PPH

3D. Enhanced recovery in ObGyn surgery

3E. Diagnosis of placenta accreta spectrum with a note on triple P procedure

3F. Fertility enhancement in endometriosis

3G. NIPT (Non Invasive prenatal testing)

3H. Ultrasound guided invasive procedures in pregnancy

3I. Compare TVT vs TOT in stress urinary incontinence and their complications

3J. Premenstrual syndrome: Clinical features and management

(7 marks × 10 = 70 marks)

