

MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2014****SUBJECT: PAPER I: APPLIED BASIC SCIENCES**

Tuesday, October 07, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Long Essay Questions:

1. Describe coagulation cascade. Write causes of disseminated intravascular coagulation in obstetrics along with their management.

(15 marks)

2. Describe the hormonal changes during puberty and climacteric and discuss their clinical significance.

(15 marks)

3. Short Essay Questions:

- 3A. Enumerate anatomical causes of primary amenorrhea. Outline their management.
- 3B. Describe arterial blood supply to perineum and its significance in clinical practice.
- 3C. Describe oogenesis and spermatogenesis.
- 3D. Describe fetal circulation with a diagram and changes at birth.
- 3E. Describe the pathological changes in various vulval dermatoses.
- 3F. Describe significance and management of anaerobic infections in obstetrics and gynaecology.
- 3G. Discuss the various types of GnRH analogues and its uses in Gynaecology.
- 3H. Discuss why pregnancy and preeclampsia are proinflammatory states.
- 3I. What are the biochemical changes in polycystic ovarian syndrome and its significance in management?
- 3J. Write about placental hormones and their functions.

(7 marks × 10 = 70 marks)

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MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2014

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

Wednesday, October 08, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍. **Long Essay Questions:**

1. What are the various types of analgesic and anaesthetic techniques used for delivery? Discuss their merits and demerits.

(15 marks)

2. Discuss aetiology, clinical features and management of altered liver functions in pregnancy.

(15 marks)

3. **Short Essay Questions:**

3A. Write the classification of variable decelerations. Explain pathophysiology and aetiology.

3B. Discuss problems and management of second of the twin.

3C. Describe causes, complications and management of prolonged pregnancy.

3D. Write briefly on Janani Suraksha Yojana.

3E. Discuss diagnosis and management of prelabour rupture of membranes (PROM) remote from term.

3F. Discuss diagnosis, management and complications of hypothyroidism in pregnancy.

3G. Discuss evaluation intrapartum and postpartum management of pregnant woman with HELLP syndrome.

3H. Describe evaluation of neonatal seizures and its management.

3I. Describe causes, clinical features and management of uterine inversion.

3J. Critically evaluate role of instrumental deliveries in modern obstetrics.

(7 marks × 10 = 70 marks)

MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2014****SUBJECT: PAPER III: GYNAECOLOGY**

Thursday, October 09, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Long Essay Questions:

1. Discuss the etiology and management of primary amenorrhea with hirsutism. (15 marks)
2. Discuss the pathophysiology, prevention and management of ovarian hyperstimulation syndrome. (15 marks)

Short Essay Questions:

- 3A. Discuss postoperative morbidity following major gynaecological surgeries and their prevention.
- 3B. Discuss the conservative surgical techniques for genital prolapse.
- 3C. Discuss medical method of pregnancy termination and emergency contraception.
- 3D. Write colposcopic features of high grade squamous intraepithelial lesion of cervix and discuss its management.
- 3E. Discuss causes and management of uterovesical fistula.
- 3F. Write about controversies in injectable contraception.
- 3G. Describe the histopathology, management and prognosis of borderline ovarian tumours.
- 3H. Discuss role of endoscopy in management of endometriosis.
- 3I. Mention causes for chronic anovulation. Write management of dysfunctional uterine bleeding in a 16 year old girl.
- 3J. Discuss radiation induced morbidity in carcinoma cervix and its management.

(7 marks × 10 = 70 marks)

MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2014****SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY**

Friday, October 10, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍. Long Essay Questions:

1. Discuss recent advances in chemotherapy for ovarian cancer.

(15 marks)

2. List four medical disorders where pregnancy is contraindicated and explain why. Discuss contraceptive options for those disorders.

(15 marks)

3. Short Essay Questions:

3A. Discuss briefly on umbilical cord stem cells and cord blood banking.

3B. Write principles and practical uses of fetal middle cerebral artery Doppler.

3C. Discuss measures to prevent medicolegal problems in obstetrics.

3D. Write briefly on newer trends in ovulation induction and estimation of ovarian reserve.

3E. Discuss problems and management of a case diagnosed to have invasive cancer of cervix following simple abdominal hysterectomy.

3F. Discuss the ethical issues in assisted reproductive techniques.

3G. Write on HPV vaccines and the controversies related to them.

3H. What are the sonological features of fetal cranial malformations? Outline management options when they are detected at 18 weeks of gestation.

3I. Critically evaluate role of synthetic grafts and meshes used in prolapse surgery.

3J. Discuss postoperative thromboprophylaxis in gynaecology.

(7 marks × 10 = 70 marks)