

MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER I: APPLIED BASIC SCIENCES**

Tuesday, October 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Describe anatomy, physiology, histology, blood supply and lymphatic drainage of fallopian tubes. Discuss surgical management of blocked tubes.
(15 marks)
2. Describe regulation of foetal growth. Discuss foetal adaptation to placental insufficiency.
(15 marks)

3. **Short Essay Questions:**

- 3A. Discuss prevention of venous thromboembolism in obstetrics and gynaecology.
- 3B. Critically evaluate Leopold's manoeuvres in obstetrics.
- 3C. Discuss natural barriers to genital infections. Mention common microbes causing pelvic inflammatory disease.
- 3D. Critically evaluate the role of various abdominal incisions in gynaecological surgery.
- 3E. Describe the anatomy of ureter and common sites of ureteric injury.
- 3F. Discuss physiology of myometrial contractions in labour.
- 3G. Write briefly on pathology of Rh isoimmunisation and monitoring of isoimmunised pregnancy.
- 3H. Describe placental-foetal adrenal endocrine cascade. Discuss its role in initiation of parturition.
- 3I. Describe anatomy of monochorionic placenta and its aftermath.
- 3J. Discuss significance of maternal alphafetoprotein in obstetric practice

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2015
SUBJECT: PAPER II: OBSTETRICS INCLUDING SOCIAL OBSTETRICS & DISEASES OF NEWBORN

Wednesday, October 07, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

 **Long Essay Questions:**

1. Discuss the diagnosis and management of shoulder dystocia and its problems. (15 marks)
2. Describe the causes, evaluation and management of discordant growth in twin gestation. (15 marks)

3. **Short Essay Questions:**

- 3A. Discuss the management of antiphospholipid antibody syndrome in obstetrics.
- 3B. What are the criteria to diagnosis sinusoidal pattern in CTG? Discuss the causes and management.
- 3C. Describe neonatal resuscitation.
- 3D. Discuss the mechanism and conduct of after-coming head in breech delivery.
- 3E. Enumerate causes for intrapartum stillbirth. Write a note on ReCoDe classification.
- 3F. Discuss the complications of second stage of cesarean section. Outline preventive measures to prevent these complications.
- 3G. Discuss causes, clinical features and management of acute renal failure in obstetrics.
- 3H. Discuss the management of epilepsy complicating pregnancy.
- 3I. Critically evaluate antihypertensive drugs used in pregnancy hypertension.
- 3J. Critically evaluate forceps versus ventouse delivery.

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER III: GYNAECOLOGY**

Thursday, October 08, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.**✍ Long Essay Questions:**

1. List indications, protocols and factors that affect success of in vitro fertilization and embryo transfer.
(15 marks)
2. What are the factors considered in prognostic scoring of gestational trophoblastic neoplasia (GTN). Discuss the management of low risk GTN.
(15 marks)

3. Short Essay Questions:

- 3A. Critically evaluate the role of laparoscopic surgeries for endometriosis.
- 3B. Describe the diagnostic work up and management of a case of hirsutism.
- 3C. Describe the strategies to be taken to prevent vault prolapse during vaginal hysterectomy. Discuss critically the surgeries done for vault prolapse.
- 3D. Discuss the pathophysiology of stress urinary incontinence. Outline the principles underlying the choice of surgery for SUI.
- 3E. What is down staging of carcinoma cervix? Discuss operative management of cervical cancer.
- 3F. Classify disorders of sexual differentiation. Discuss the management of androgen insensitivity syndrome.
- 3G. Discuss clinical features, evaluation and management of pituitary adenomas.
- 3H. Discuss the pathophysiology of polycystic ovary syndrome. Outline the management of 22 year old unmarried lady with PCOS and a BMI of 33 who has presented with hirsutism and oligomenorrhea.
- 3I. Describe minipill as a contraceptive method. Discuss critically the newer progestins used in oral contraceptive pill.
- 3J. Discuss recent FIGO staging of carcinoma endometrium. Outline management of endometrial cancers.

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY**

Friday, October 09, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.**✍ Long Essay Questions:**

1. Critically analyse concepts and role of newer surgical procedures in the management of pelvic organ prolapse.
(15 marks)
2. Explain feasibility, principles, limitations and merits of early foetal anatomical survey. Explain management of foetal anomalies detected in third trimester.
(15 marks)

3. Short Essay Questions:

- 3A. Discuss problems, ethical and moral issues of surrogate pregnancy.
- 3B. Discuss immunosuppressive therapy for recurrent pregnancy loss.
- 3C. Discuss expectant management of ectopic pregnancy.
- 3D. Describe robotic concepts, technology and differences from laparoscopic surgeries.
- 3E. Discuss clinical manifestation and management of urogenital atrophy.
- 3F. Discuss intraperitoneal chemotherapy for ovarian cancer.
- 3G. Discuss how to minimise short and long term risks for babies born to diabetic mothers.
- 3H. Write briefly on foetal venous Doppler.
- 3I. Give an overview and rationale of minimally invasive foetal therapy.
- 3J. Discuss requirements to set up an ultrasound clinic as per PC-PNDT act.

(7 marks × 10 = 70 marks)

