

## MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2016

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Monday, October 17, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ Answer ALL the questions.

☞ Long Essay Questions:

1. Describe physiological changes in thyroid during pregnancy. Discuss laboratory evaluation of thyroid disorders in pregnancy and management of Grave's disease during pregnancy and lactation.

(15 marks)

2. Describe the anatomy of anal sphincter. Describe the steps of repair of fourth degree perineal laceration and write the postoperative care.

(15 marks)

3 Short Essay Questions:

3A. Discuss the potential pathways by which infection induces preterm labor.

3B. Discuss the fetal contributions to initiation of parturition.

3C. Describe the De Lancey's classification of supports of female pelvic organs. Describe clinical examination and management of lateral compartment defects.

3D. Describe histology and physiology of human decidua.

3E. Describe the pharmacology, clinical applications and complications of misoprostol in obstetrics.

3F. Describe endocrinology of lactogenesis with a diagram. Describe the process of milk transfer in normal lactation.

3G. Discuss the effect of chickenpox in pregnancy and outline the management.

3H. Describe the anatomy of obturator space. Write its significance in gynaecology.

3I. Describe transformation zone of cervix. Discuss the colposcopy findings in CIN.

3J. Discuss the role of posterior pituitary hormones in obstetrics and gynaecology.

(7 marks × 10 = 70 marks)



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## MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2016

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

Tuesday, October 18, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay Questions:

1. Discuss the causes, diagnosis and management of discordant fetal growth in multiple gestation.  
(15 marks)
2. Compare and contrast vacuum vs. Forceps delivery, Describe management and prevention of complications related to instrumental deliveries.  
(15 marks)

✍ Short Essay Questions:

- 3A. Discuss management of labour in mentoposterior position.
- 3B. Describe criteria for conservative management of Ectopic pregnancy and discuss the outcome
- 3C. Discuss diagnosis and management of shoulder dystocia.
- 3D. Discuss diagnosis and management retained placenta
- 3E. Discuss Doppler assessment of uterine circulation.
- 3F. Discuss schemes under NRHM for maternal health.
- 3G. Describe management of labour in diabetic pregnancy.
- 3H. Discuss controversies in episiotomy in modern obstetrics.
- 3I. Discuss management of a patient with prosthetic valve during pregnancy and labour.
- 3J. Discuss evaluation and management of convulsions in newborn.  
(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2016****SUBJECT: PAPER III: GYNAECOLOGY**

Wednesday, October 19, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✗ **Answer ALL the questions.**

✗ **Long Essay Questions:**

1. Discuss the advantages and disadvantages of conservative management options for dysfunctional uterine bleeding.

(15 marks)

2. A 40 year old lady reports to gynae OPD with white discharge. Examination revealed unhealthy cervix. Write further evaluation and management.

(15 marks)

3. **Short Essay Questions:**

3A. Discuss metabolic effects and safety of hormonal contraception for obese women.

3B. Discuss differential diagnosis and management of dyspareunia in a lady aged 25 years.

3C. Write management of genital tuberculosis.

3D. Discuss the etiology, prevention and management of ovarian hyperstimulation syndrome.

3E. A 60 year old lady presents with loss of appetite, post meal distension and vaginal bleeding. Ultrasound reveals a complex adnexal mass with thick endometrium. Describe further evaluation and management.

3F. Evaluate the role of Hormone Replacement Therapy in a woman aged less than 40 years.

3G. Discuss the management of acute retention of urine in women.

3H. Discuss the medical and surgical management of PCOS (Polycystic ovarian syndrome).

3I. Outline the management of persistent trophoblastic disease.

3J. Discuss differential diagnosis and management of heterosexual puberty.

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2016****SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY**

Thursday, October 20, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Write recent trends in glycemic control in diabetic mother during pregnancy, labour and puerperium. Discuss newborn care in diabetic pregnancies.

(15 marks)

2. Discuss ethical issues, medico legal aspects, counseling and management of failed contraception.

(15 marks)

3. **Short Essay Questions:**

3A. Discuss postpartum care in women with medical disorders.

3B. Discuss hospital waste management.

3C. Discuss the diagnosis and management of puerperal sepsis with special emphasis on critical care.

3D. Outline oxytocin protocol for induction and augmentation of labour.

3E. Discuss risk management and medicolegal issues related to endoscopy.

3F. Write briefly on arrest of shoulders and arms in assisted breech delivery. Write perinatal morbidity associated with vaginal breech delivery.

3G. Discuss palliative care in gynaecological malignancies.

3H. Write briefly on screening and prevention of gynaecological cancers in genetically predisposed women.

3I. Write briefly on significance of breast examination in obstetrics and gynaecology.

3J. Discuss the ethical issues in the diagnosis and management of fetal anomalies.

(7 marks × 10 = 70 marks)

