

MANIPAL UNIVERSITY
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2011

SUBJECT: PAPER I: BASIC SCIENCES

Monday, October 03, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions. Each question carries TEN marks.**

1. Discuss normal puberty and enumerate the causes of primary amenorrhea.
2. Write about immunology in normal and abnormal pregnancy.
3. Discuss prophylactic antibiotic use in obstetrics and gynecology.
4. Describe the perineal body. Mention the parts of levator ani and state its functions in obstetrics and gynecology.
5. Write about placental hormones and their clinical implications.
6. Write about coagulation cascade and the causes of disseminated intravascular coagulation in obstetrics.
7. Discuss anatomical and physiological changes in pregnancy and labor.
8. Explain upregulation and downregulation of gonadotropin releasing hormone receptors. Describe the structure and uses of gonadotropin releasing hormone agonists in gynecology.
9. Describe lymphatic drainage of vulva and its clinical significance.
10. What is classic teratogenic period? Mention some teratogens. Discuss the drugs which are not safe during pregnancy.



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MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2011

SUBJECT: PAPER II: OBSTETRICS

Tuesday, October 04, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions. Each question carries TEN marks.**

1. Discuss the pathophysiology and investigations to diagnose coagulation failure. Briefly describe component therapy in obstetric hemorrhage.
2. What are the investigations done to screen for infections during routine antenatal care? Briefly outline the management of each of those positive screening tests.
3. Discuss laboratory assessment of couples with recurrent pregnancy loss.
4. Write about diagnosis and management of morbidly adherent placenta.
5. Discuss the recent advances in the management of Rh isoimmunization.
6. Describe diagnosis and management of fetal abdominal wall defects; discuss the neonatal outcome.
7. Discuss the management of patients with bronchial asthma in pregnancy and labour.
8. Enumerate the causes and discuss the diagnosis and complications of symmetrical IUGR (Intra Uterine Growth Restriction).
9. Explain the significance of uterine artery Doppler in pregnancy.
10. Discuss the role of an obstetrician in reduction of neonatal mortality and morbidity.



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2011

SUBJECT: PAPER III: GYNAECOLOGY

Thursday, October 06, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions. All questions carry equal marks.

1. Discuss the etiology and management of tubo ovarian mass.
2. Discuss the role of ultrasound in infertility.
3. Discuss the etiology and management of primary amenorrhea.
4. Discuss the etiology, prevention and management of ovarian hyperstimulation syndrome.
5. Write about the screening and prevention of gynecological cancer.
6. Discuss investigations and management of stress urinary incontinence.
7. Discuss the conservative surgical techniques for genital prolapse.
8. Outline the management of endometriosis.
9. Discuss management of dysfunctional uterine bleeding in a 38year old lady.
10. Discuss the management of endometrial cancer stage 2b.



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MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2011

SUBJECT: PAPER IV: FAMILY WELFARE INCLUDING PERINATOLOGY
(NEONATAL CARE) AND RECENT ADVANCES

Friday, October 07, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions. All questions carry equal marks.**

1. Critically evaluate surgical management of endometriosis.
2. Discuss the indications, methods and complications of embryo reduction.
3. Write on anomaly scan.
4. Discuss the tumor markers in gynecology.
5. Discuss the role of combined pills containing cyproterone acetate.
6. Discuss the role of Doppler in obstetrics and gynecology.
7. Discuss the recent trends in management of gestational trophoblastic diseases.
8. Write about differentiating features of growth restricted and pre term babies. Enumerate complications of both.
9. Discuss the role of HRT (Hormonal replacement therapy) in current practice.
10. Discuss the methods and role of chemoradiation in gynecology.

