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## MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2010

SUBJECT: PAPER I: BASIC SCIENCES

Monday, October 04, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ All questions carry equal marks.

1. Describe the physiological changes in renal and hepatic systems during pregnancy.
2. Describe oogenesis and spermatogenesis.
3. Describe the pelvic diaphragm and perineal muscles with clinical application.
4. Describe the hormonal changes during menopause and write briefly on menopausal syndrome.
5. Describe the lymphatic drainage of uterine corpus and cervix with clinical significance.
6. Describe different diameters of fetal skull with clinical significance.
7. Write about the structure of placenta and discuss its functions.
8. Discuss the physiology and endocrinology of labor.
9. Critically evaluate ovulation induction drugs.
10. Discuss histogenesis of ovarian malignancy.



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## MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2010

SUBJECT: PAPER II: OBSTETRICS

Tuesday, October 05, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ All questions carry equal marks.

1. Discuss the management of a primigravida at 32 weeks of gestation with a blood pressure of 150/110 mm Hg.
2. Enumerate the complications of diabetes in pregnancy and explain their pathophysiology.
3. Critically evaluate the role of vaginal birth after caesarean.
4. Write the obstetrical problems in a midcavity contraction of the pelvis.
5. Write the diagnosis and management of vesicular mole and its follow up.
6. Discuss the role of ultrasound and Doppler findings in intrauterine growth restriction.
7. Discuss the pathogenesis and management of endotoxic shock.
8. Write the management of preterm premature rupture of membranes.
9. Write the management of HIV positive status diagnosed in pregnancy.
10. Discuss the diagnosis and importance of chorionicity in multiple pregnancy.



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## MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2010

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

Thursday, October 07, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ All questions carry TEN marks.

1. List causes of atypical genitalia at birth and describe management of the same.
2. Outline investigations required for fetal nonimmune hydrops.
3. Discuss pathophysiology of insulin resistance in PCOS (polycystic ovarian syndrome) and role of various insulin sensitizers in management of the same.
4. Write on counseling a patient at 8 weeks of gestation on sodium valproate.
5. Discuss the role of pharmacotherapy in the treatment of urinary incontinence.
6. Discuss effects of systemic lupus erythematosus on pregnancy and its management.
7. Discuss the emerging trends of chemotherapy in the management of gynaecological cancers.
8. Explain the role of intravenous immunoglobulin therapy in obstetrics.
9. Write causes of birth asphyxia and method of resuscitation of new born.
10. Write advantages, disadvantages and efficacy of female and male condoms.





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## MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2010

SUBJECT: PAPER III: GYNAECOLOGY

Wednesday, October 06, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ All question carries TEN marks.

1. Critically analyse the indications, problems, advantages and complications of hysterectomy done by different routes.
2. Discuss ethical issues in assisted reproduction in India.
3. Outline the management of persistent trophoblastic disease.
4. Discuss the influence of histopathology of germ cell tumours of ovary on prognosis.
5. Discuss the causes and management of acute retention of urine due to gynecological causes.
6. Write about current recommendations regarding hormone replacement therapy.
7. Discuss the management of hypomenorrhoea in a 30 year old nulliparous woman.
8. Outline the treatment of endometriosis in adolescent girls.
9. List the causes and discuss the management of chronic pelvic pain in a lady aged 40 years.
10. Critically analyse the role of pessary in gynecology.

