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MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2013

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Monday, October 07, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Describe the pathways of Estrogen synthesis and enumerate clinical uses of oestrogens in gynaecology.
2. Describe the metabolic changes during pregnancy and its clinical implications.
3. Critically comment on the various types of abdominal incisions that are used in Gynaecology.
4. Discuss the physiology of menopause.
5. Explain factors determining foetal oxygenation. Discuss management of cord compression in labour.
6. Write briefly on uses of Prostaglandins in Obstetrics and Gynecology.
7. Describe lymphatic drainage of Vulva and its clinical significance.
8. Describe clinical examination of placenta and its relevance. Enumerate placental causes for stillbirth.
9. Describe clinical features and prevention of group B haemolytic streptococci in obstetric practice.
10. Describe histopathology of endometrial malignancies.



MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2013****SUBJECT: PAPER II: OBSTETRICS INCLUDING SOCIAL OBSTETRICS & DISEASES OF NEWBORN**

Tuesday, October 08, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Discuss the diagnosis and management of occipitoposterior position.
2. Discuss the management of preterm prelabour rupture of membranes.
3. What are the complications of monochrionic twins? Discuss their management.
4. Discuss maternal mortality in cardiac disease. Write measures for prevention.
5. Critically evaluate active management of third stage of labour.
6. Discuss management of foetal death at 30 weeks in a fourth gravida with three previous abortions.
7. Discuss the management of a primigravida at 16 weeks of gestation with a blood pressure of 150/110 mm Hg.
8. Describe surgical principles of management of rupture uterus and prevention of complications.
9. Critically evaluate management options for a postcaesarean pregnancy.
10. Discuss obstetric causes for neonatal jaundice. Write briefly on complications of neonatal jaundice.



MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2013****SUBJECT: PAPER III: GYNAECOLOGY**

Wednesday, October 09, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Describe POP-Q system of pelvic floor dysfunction. Write the management of anterior compartment defects.
2. Write briefly on causes and management of dyspareunia.
3. Discuss screening, clinical features and management of HPV (human papilloma virus) infections in gynaecological practice.
4. Discuss pathophysiology of urethral hypermobility, its diagnosis and management options.
5. Critically evaluate the need for HRT (hormone replacement therapy) in modern menopausal management. Write recommended HRT regimens.
6. What are the indications and contraindications for diagnostic hysteroscopy? Discuss the various distension media used for hysteroscopy with their merits and demerits.
7. Write evaluation and management of secondary amenorrhoea due to uterine pathology.
8. Describe the clinical criteria for diagnosis of PID (pelvic inflammatory disease). Write the management of adnexal infection.
9. Describe clinical features and management of metastatic gestational trophoblastic tumours.
10. Describe the newer oral contraceptive pills and write their advantages.



MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2013****SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY**

Thursday, October 10, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Mention the causes and discuss the treatment of premature ovarian failure.
2. Discuss blood component therapy and state its applications in obstetrics and gynecology.
3. Discuss the current advances of Doppler ultrasound in obstetrics.
4. Discuss recent concepts in foetal therapy.
5. Discuss recent trends in management of vulval cancer.
6. Discuss principles and uses of laser therapy in obstetrics and gynaecology.
7. Discuss the role of magnetic resonance imaging in obstetrics and gynecology.
8. Describe briefly the ethical issues surrounding gamete donation and surrogacy.
9. Discuss genetic causes of recurrent abortions and management of the same.
10. Discuss the role of ultrasound between 11 and 13 weeks of pregnancy.

