

## MANIPAL UNIVERSITY

MS (OBSTETRICS &amp; GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Tuesday, April 02, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Discuss the role of hCG (human chorionic gonadotropin) estimation in obstetrics and gynecology.
2. Write about pharmacokinetics, uses, dosage and side effects of magnesium sulfate in obstetrics.
3. Write briefly on recent concepts in iron metabolism in pregnancy. List causes for nonnutritional anaemias in pregnancy.
4. Enumerate microbes involved in Pelvic Inflammatory Disease. Write about their effects and sequelae on female reproductive system.
5. Discuss changes in normal puberty. Enumerate the causes of hypogonadotropic hypogonadism.
6. Write about coagulation cascade. List the causes of disseminated intravascular coagulation in obstetrics.
7. Describe arterial blood supply to female genital tract and write its significance in clinical practice.
8. Describe anatomy of spermatozoa with a diagram. Write unique characteristics of sperms.
9. Describe pathological changes occurring in various organs in preeclampsia.
10. Write briefly on meconium formation and its clinical significance.



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## MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2013

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

Wednesday, April 03, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Write evaluation and management of a 20 weeks pregnant woman with BP of 180/100 mm Hg.
2. Discuss evaluation of neonatal hyperbilirubinemia occurring within first 24 hours of life.
3. Discuss clinical manifestations and management of any two parasitic infections in pregnancy.
4. Write briefly on near miss audit in obstetrics and its significance.
5. Discuss management of labour abnormalities seen in occipito posterior position.
6. Discuss clinical manifestations and management of pelvic haematomas following difficult instrumental delivery.
7. Discuss management of overt diabetes in pregnancy. Write briefly on newer insulins.
8. Write briefly on various screening tests in the antenatal period.
9. Write evaluation and management of sudden intrauterine death at term in a primigravida.
10. Discuss preoperative and intraoperative measures to prevent and manage complications in placenta previa.



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

Thursday, April 04, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Define and classify Dysfunctional Uterine Bleeding. Write briefly on management of dysfunctional uterine bleeding in a 42 year old lady.
2. Write briefly on clinical features, histopathology, treatment and prognosis of ovarian teratomas.
3. Describe syndromic approach to vaginal discharge.
4. Discuss fertility sparing surgeries in gynaecological cancers.
5. Discuss the management of endocrine causes of secondary amenorrhoea.
6. Enumerate histological types of vulval cancer. Describe their route of spread.
7. Discuss WHO categorization for contraception in woman with medical disorders.
8. Critically evaluate tubal patency tests and management options in tubal factor infertility.
9. Critically evaluate the different types and techniques of radical hysterectomy in carcinoma cervix with their merits and demerits.
10. Describe the investigations and management of ureterovaginal fistula.



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

Friday, April 05, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Write algorithms for treatment of advanced ovarian cancer. Write prognostic variables and stage-wise prognosis.
2. Discuss types of tubal reconstructive surgeries. What are the principles of tubal microsurgery?
3. Describe briefly the ethical issues surrounding fertility preservation in cancer patients.
4. Discuss protocols of ovulation induction in In Vitro Fertilization with their merits and demerits.
5. Critically analyse failure of PC-PNDT act.
6. Describe the ultrasound assessment of placenta.
7. How are the challenges of HIV in Obstetrics being addressed in India?
8. What are the risk factors of vulvovaginitis in childhood? Write briefly the management of this condition.
9. Discuss rising trend in caesarean deliveries and associated problems. Write measures to optimize caesarean rates.
10. Discuss social and obstetrics problems associated with surrogate pregnancy.

