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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2018
SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Monday, April 02, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Write briefly on Iron metabolism in pregnancy. Discuss non nutritional anaemia in pregnancy.
(15 marks)

2. Write the etiopathology of gestational trophoblastic disease. Discuss the management of persistent trophoblastic disease.
(15 marks)

3. **Short essay questions: Write briefly on:**

- 3A. Placental hormones and their clinical implications.
- 3B. Classification of Progestogens and their uses in Gynecology.
- 3C. Arterial blood supply to female genital tract and its significance in clinical practice.
- 3D. Oogenesis and spermatogenesis.
- 3E. The hormonal changes during menopause and menopausal syndrome.
- 3F. Role of viral infections in the etiology of carcinoma cervix.
- 3G. The hypothalamic-pituitary-ovarian-uterine-axis in relation to normal menstruation.
- 3H. Immunology of normal pregnancy in protection of the fetus.
- 3I. The etiology of preeclampsia.
- 3J. The biochemical changes in Polycystic ovarian syndrome and its significance in management.

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2018

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

Tuesday, April 03, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

✍ **Long Essay Questions:**

1. Discuss different methods of screening and diagnosis of Gestational diabetes (GDM). Write complications and management of GDM.

(15 marks)

2. Write on etiology, classification and management of retained placenta.

(15 marks)

3. **Short essay questions Write briefly on:**

3A. Evaluation and management of anemia complicating pregnancy.

3B. Indications, prerequisites, steps and complications of forceps delivery

3C. Thromboprophylaxis in obstetrics.

3D. The ways to reduce maternal mortality.

3E. Decision making and management of post caesarean pregnancy.

3F. Causes and management of neonatal jaundice.

3G. MCH programs in India.

3H. Management of early preterm labour.

3I. Rotational abnormalities in occipito posterior position and their management.

3J. Management of shoulder dystocia.

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2018
SUBJECT: PAPER III: GYNAECOLOGY

Wednesday, April 04, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Write WHO classification of anovulation. Discuss different ovulation induction protocols in various fertility enhancing procedures.

(15 marks)

2. Write the diagnosis and management of genital tuberculosis.

(15 marks)

3. **Short Essay Questions: Write briefly on:**

3A. Surgical options for cervical cancer.

3B. Management of endometriosis.

3C. Recent trends in the management of fibroid uterus.

3D. Management of ovarian enlargement in an adolescent girl.

3E. Management of a case of secondary amenorrhea.

3F. Operative management of genuine stress urinary incontinence.

3G. Management of women with Hirsutism.

3H. Causes and investigations of post menopausal bleeding.

3I. Management of various types of endometrial hyperplasia in a multiparous women.

3J. Menopausal Hormone therapy.

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2018****SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY**

Thursday, April 05, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Common areas of litigation in gynecology and the basic principles of avoiding litigation.
(15 marks)
2. Critically evaluate advantages, limitation and scope for Minimal Access Surgical options in gynecological conditions.
(15 marks)

3. **Short Essay Questions:**

- 3A. Review the evidence linking inflammatory mediators and gestational diabetes.
- 3B. Role of angiographic and interventional options in obstetric and gynecologic emergencies.
- 3C. The role of endometrial thickness for detecting endometrial pathologies in asymptomatic postmenopausal women.
- 3D. Integrase inhibitors in the management of Human Immune Deficiency Virus Infection.
- 3E. Management of Apical prolapse-anatomical and functional outcome between vaginal colposuspension and laparoscopic procedures.
- 3F. Ovarian Hyperstimulation Syndrome and its prevention.
- 3G. Code Blue Drill-objective and operation.
- 3H. Preconception and Prenatal Diagnostic Techniques Act-perspectives and challenges in implementation.
- 3I. Role of tubal patency tests and tubal surgery in day fertility care.
- 3J. Use of Selective Receptor modulators in Gynecology.

(7 marks × 10 = 70 marks)

