

MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2015****SUBJECT: PAPER I: APPLIED BASIC SCIENCES**

Wednesday, April 01, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.**✍ Long Essay Questions:**

1. Describe the anatomy of internal iliac artery. Describe the surgeries done for stepwise devascularisation of uterus in a case of postpartum hemorrhage.

(15 marks)

2. Describe innervations of female genital tract. List different types of pain in gynaecology along with their causes. Write briefly on management of chronic pelvic pain.

(15 marks)

3. Short Essay Questions:

3A. Describe the physiology of ovulation. Discuss the various ovarian reserve tests used to predict poor responders in ART.

3B. Describe the development of vagina. Write merits and demerits of various types of vaginoplasty.

3C. Describe the lymphatic drainage of vulva. Write about sentinel node.

3D. Describe the various placental abnormalities along with their clinical significance.

3E. Write briefly on insulin resistance and its significance in obstetrics and gynaecology.

3F. Describe the physiological changes occurring at puberty. Discuss the management of Turner syndrome.

3G. Classify progestogens. Discuss critically advantages and disadvantages of intravaginal progesterone administration.

3H. Critically evaluate the statement “Pregnancy is an immunosuppressive state”.

3I. Describe the changes in respiratory tract in pregnancy. Discuss the management of bronchial asthma complicating pregnancy.

3J. What are the principles of prescription during pregnancy and lactation? Write four drugs contraindicated in pregnancy with reasons.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2015

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

Thursday, April 02, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essay questions:**

1. Discuss the policy for antenatal screening of human immunodeficiency virus infection and the various protocols for reducing vertical transmission.

(15 marks)

2. Discuss the pathology, diagnostic criteria, investigations and treatment with rationale for APLA syndrome in pregnancy.

(15 marks)

3. **Short essay questions:**

3A. Discuss diagnosis, management and prognosis of symmetric IUGR.

3B. Discuss the term breech trial and its influence on obstetric practice. Describe assisted breech delivery.

3C. Discuss the role of instrumental delivery in modern obstetrics.

3D. Discuss management of epilepsy in pregnancy.

3E. Write management of pregnancy and labour in a woman with congenital heart disease.

3F. Discuss the diagnosis and management of dysfunctional labour.

3G. Outline the management of shoulder dystocia.

3H. Discuss postpartum collapse & its management.

3I. Discuss the role of an obstetrician in reduction of neonatal mortality & morbidity.

3J. Discuss Government of India action plans to reduce maternal deaths.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2015

SUBJECT: PAPER III: GYNAECOLOGY

Saturday, April 04, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long essay questions:

1. Discuss causes, clinical examination, evaluation and management of hirsutism in a 24 year old lady.

(15 marks)

2. Write briefly about evaluation of stress urinary incontinence. Discuss types, advantages and disadvantages of operations for the same.

(15 marks)

3. Short essay questions:

3A. Write about CDC guidelines for treatment of Pelvic Inflammatory Disease.

3B. Describe the various methods of prediction of ovulation and management of anovulation.

3C. Describe the clinical features, histopathology and prognosis of borderline ovarian tumours.

3D. Mention causes and discuss the management of precocious puberty.

3E. Discuss clinical features and management of cervical fibroid. Describe the technical difficulties at surgery for the same.

3F. Discuss radiotherapy as a modality for treatment of Stage 3B cervical cancer.

3G. Discuss the conservative surgical techniques for genital prolapse.

3H. Discuss prevention and management of postmenopausal osteoporosis.

3I. Discuss vaginal contraceptives.

3J. Describe the causes and discuss the management of secondary amenorrhoea.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2015

SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY

Monday, April 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essay questions:**

1. Discuss prevention and management of secondary postpartum haemorrhage. Write briefly on uses of recombinant Factor VII A in obstetrics.

(15 marks)

2. Discuss aetiology and management options for recurrent early pregnancy losses.

(15 marks)

3. **Short essay questions:**

3A. Discuss the role of gonadotropin releasing hormone in gynecology.

3B. Critically evaluate the role of cervical encircage in modern obstetrics.

3C. Discuss temporizing vs. interventionist management in early onset preeclampsia. Explain end organ consequences of preeclampsia.

3D. Discuss the role of Preimplantation genetic diagnosis (PGD).

3E. Discuss problems and management of the second of the twin.

3F. Discuss the role of colour Doppler in obstetrics and gynaecology.

3G. Discuss the current status of maternal – foetal surgery for structural anomalies.

3H. Discuss the role of fresh frozen plasma and platelet transfusion in obstetrics and gynecology.

3I. Discuss the role of magnetic resonance imaging in obstetrics and gynecology.

3J. Write briefly on cell free DNA in maternal circulation.

(7 marks × 10 = 70 marks)

