

MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2016****SUBJECT: PAPER I: APPLIED BASIC SCIENCES**

Monday, April 18, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Enumerate the causes of sepsis syndrome in obstetrics. Explain the stages and discuss management.

(15 marks)

2. Describe the development of vagina and the different developmental anomalies with their clinical significance. Discuss management of vaginal atresia.

(15 marks)

3. **Short Essay Questions:**

3A. Discuss clinical examination and management of a newborn with ambiguous genitalia.

3B. What are the biochemical changes in polycystic ovarian syndrome? Write their significance in its management.

3C. Write the pathology of persistent trophoblastic tumour and outline the management of the same.

3D. Classify Progestogens and write their uses in Gynecology.

3E. Describe the pathology of Dysgerminoma. Write management options in a 20 year girl with dysgerminoma.

3F. Discuss effects of oral contraceptive pills on various metabolisms and write their clinical implications.

3G. What are the types of GnRH analogues? Discuss their uses in Gynecology.

3H. Discuss the role of viral infections in the etiology of carcinoma cervix. Write its significance.

3I. Discuss maternal immunological tolerance towards foetal allograft.

3J. Describe the perineal body. Mention the parts of levator ani and state its functions in obstetrics and gynecology.

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2016****SUBJECT: PAPER II: OBSTETRICS INCLUDING SOCIAL OBSTETRICS & DISEASES OF NEWBORN**

Tuesday, April 19, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Discuss etiology, diagnosis, treatment and complications of chorioamnionitis. (15 marks)
2. An unbooked primi reports at 38 weeks in labor. Pelvic examination reveals 4 cm dilated cervix with irregular soft fetal parts. Explain further management of this case. (15 marks)

3. **Short Essay Questions:**

- 3A. Describe complications and newborn care for an early preterm baby.
- 3B. Primi aged 29 years reports at 35 weeks with platelet count of 70,000/ cumm. Discuss the differential diagnosis and management of this case.
- 3C. Discuss the diagnosis and management of twins discordant for Down syndrome.
- 3D. Discuss evaluation and management of deep vein thrombosis in pregnancy.
- 3E. Discuss problems that may arise during cesarean section and how to manage the same.
- 3F. A third gravida reports at 6 weeks gestation with 2 previous fetal deaths in third trimester. Discuss evaluation and management of this pregnancy.
- 3G. Discuss causes and prevention of maternal death during caesarean section.
- 3H. Write briefly on causes and management of foetal anaemia.
- 3I. Discuss regulation of fetal heart rate. Write causes and management of alterations in base line fetal heart rate.
- 3J. Write briefly evaluation and management of pregnancy of unknown location.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER III: GYNAECOLOGY

Wednesday, April 20, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay Questions:

1. Discuss on urinary problems due to gynecological causes and outline their management.
(15 marks)
2. Discuss the differential diagnosis and management of heterosexual pubertal development.
(15 marks)

3. Short Essay Questions:

- 3A. Write the etiology and management of adolescent DUB.
- 3B. What are the prerequisites for tubectomy as per the government guidelines?
- 3C. Explain the pathophysiology of genital tuberculosis and write the treatment.
- 3D. A 19 year old girl walks into a clinic asking for termination of pregnancy at 14 weeks. What are the measures to be taken to perform a safe termination from legal and medical perspectives?
- 3E. Discuss the Indian contribution to conservative surgeries for Prolapse uterus with their merits and demerits.
- 3F. A 25 yrs old lady is referred after ovariectomy done for a suspected benign tumor. However histopathology shows it to be serous cystadenocarcinoma. Discuss further management.
- 3G. Discuss techniques for hysterectomy in cervical fibroids.
- 3H. Discuss aetiology and management of premenstrual syndrome.
- 3I. Critically evaluate Bethesda system of Pap smear classification. Write management of glandular cell abnormalities.
- 3J. Discuss management of post testicular azoospermia.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2016
SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY

Thursday, April 21, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer ALL the questions.**

☞ **Long Essay Questions:**

1. Critically evaluate the role of various treatment modalities in endometriosis. (15 marks)
2. Discuss recent concepts in pathogenesis of preeclampsia. Compare and contrast early and late onset preeclampsia. Write differential diagnosis for imitators of severe preeclampsia. (15 marks)

3. **Short Essay Questions:**

- 3A. Briefly describe evaluation of a victim of sexual abuse.
- 3B. Write briefly on gynaecological health and contraceptive advice for retropositive woman.
- 3C. Write briefly on antepartum haemorrhage of foetal origin.
- 3D. Discuss clinical features and management of vulval intraepithelial neoplasia.
- 3E. Discuss causes, clinical features and management of amniotic fluid embolism.
- 3F. Discuss techniques, merits, limitations and clinical applications of MRI in pregnancy.
- 3G. Discuss WHO recommendations for vaccination during pregnancy.
- 3H. Discuss the role of Vitamin D in Obstetrics and Gynaecology.
- 3I. Discuss fertility preservation in gynaecological cancers.
- 3J. Discuss briefly on clinical features and management of peripartum cardiomyopathy. (7 marks × 10 = 70 marks)

