

Reg. No.

MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2017

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Monday, April 03, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Describe the development of vagina and its anomalies. Write their clinical features and management.

(15 marks)

2. Write briefly on iron metabolism in pregnancy. List causes for non-nutritional anaemias in pregnancy along with their management.

(15 marks)

3. **Short Essay Questions:**

3A. Write the pathology of persistent trophoblastic tumours and outline their clinical features.

3B. Classify Progestogens and write their uses and group wise side effects.

3C. Describe histopathology of dysgerminoma with a diagram. Discuss management options in a girl aged 20 years.

3D. Describe contents of various combined pills. Discuss their actions and systemic effects.

3E. Describe the etiology of preeclampsia / eclampsia.

3F. Discuss the role of viral infections in the etiology of carcinoma cervix and their prevention.

3G. Describe mechanisms of immunological protection of the fetus.

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

3I. Discuss the production of amniotic fluid and its clinical significance.

3J. Discuss physiology of myometrial contractions and drugs modifying it.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2017

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

Tuesday, April 04, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay Questions:

1. Describe the method of clinical assessment of pelvis and CPD. Discuss the labour management in primigravida with borderline pelvis.

(15 marks)

2. Discuss pathophysiology of periodic changes in foetal heart tracing and write their management. Briefly describe foetal hypoxic cascade.

(15 marks)

3. Short Essay Questions:

3A. What are the complications of monochorionic twins and discuss their management.

3B. Discuss the role of thromboprophylaxis in pregnancy.

3C. Describe the phases of 2nd stage of labor and discuss management of delayed 2nd stage.

3D. Discuss management of post-caesarean pregnancy at 38 weeks of gestation.

3E. Discuss current status of trial of labour after caesarean (TOLAC). Write management of TOLAC-VBAC.

3F. Discuss the diagnosis, management and prognosis of oligohydramnios in 2nd trimester.

3G. Discuss causes and management of jaundice complicating pregnancy.

3H. Briefly discuss indices used to assess maternal morbidity.

3I. Write about diagnosis and management of morbidly adherent placenta.

3J. Write briefly on examination and management of a preterm neonate.

(7 marks × 10 = 70 marks)



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MANIPAL UNIVERSITY
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2017
SUBJECT: PAPER III: GYNAECOLOGY

Wednesday, April 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Describe POP Q (Pelvic organ prolapse quantification) system. Discuss the conservative surgeries for genital prolapse.

(15 marks)

2. Discuss merits and demerits of various cervical cancer screening and prevention programs.

(15 marks)

3. **Short Essay Questions:**

- 3A. Discuss the clinical presentation, diagnosis and management of vesicovaginal fistula.
- 3B. Discuss assessment of male factor and management of male factor infertility.
- 3C. Discuss the nonsurgical management of uterine myoma.
- 3D. Compare and contrast LAVH (Laparoscopic Assisted VH) vs. NDVH (Non Descent VH).
- 3E. Describe the pathology and management of Chlamydial infections.
- 3F. Discuss evaluation and management of prepubertal vaginal bleeding.
- 3G. Discuss the clinical presentation, diagnosis and management of uterine sarcoma.
- 3H. Discuss the management of high risk gestational trophoblastic neoplasia.
- 3I. Discuss the role of radiotherapy in the management of endometrial cancer.
- 3J. Write briefly on WHO categories of contraception in women with medical disorders.

(7 marks × 10 = 70 marks)



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MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – APRIL 2017
SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY

Thursday, April 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay Questions:

1. Discuss ethical issues related to donor oocyte IVF program and describe the procedure. (15 marks)

2. Discuss the recent amendments in the MTP act. Discuss ultrasound features and management of foetal abdominal wall defects diagnosed at 14 weeks of gestation. (15 marks)

3. Short Essay Questions:

- 3A. Critically evaluate screening for syphilis in pregnancy. Describe perinatal effects and discuss management of syphilis in pregnancy.
- 3B. Discuss management of adnexal masses detected during pregnancy.
- 3C. Discuss influence of morbid obesity in obstetrical and gynaecological examination and management.
- 3D. Discuss endocrine emergencies in pregnancy.
- 3E. Write briefly on contraindications for vaginal delivery in pregnancy complicated by medical disorders.
- 3F. Discuss the rationale and dosage of intravenous antibiotics for obstetric sepsis.
- 3G. Write briefly on risk of malignancy index and its modifications.
- 3H. Discuss medical care after sexual assault.
- 3I. Discuss the various strategies to be adopted to prevent complications during operative laparoscopy.
- 3J. Discuss the management of premenstrual syndrome.

(7 marks × 10 = 70 marks)

