

MANIPAL UNIVERSITY

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2017

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Tuesday, October 03, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Write immunological changes in pregnancy. Discuss clinical manifestations of SLE and its management in pregnancy.

(15 marks)

2. Discuss pathophysiology of hypothalamic amenorrhoea. Enumerate causes and their management in a 24 year old nulliparous woman.

(15 marks)

3. **Short Essay Questions:**

3A. Describe platypelloid pelvis and its implications in labor.

3B. Discuss mechanisms of action of magnesium sulphate in seizure control/prophylaxis. Explain the drug toxicity and its management.

3C. Describe the antigen/antibody response to Hepatitis B infection and its clinical implications in a pregnant woman.

3D. Describe the histopathology of germ cell tumors of the ovary and their influence on diagnosis and postoperative follow up.

3E. Write briefly on serum alpha fetoprotein and its role in obstetrics and gynaecology.

3F. Describe the physiological changes of pregnancy which worsen the medical disorders.

3G. Discuss foetal behaviour state in health and disease.

3H. Discuss continence mechanisms in females. Give reasons why urinary tract infection is more common in women.

3I. Write briefly on vaginal flora and its significance. Mention factors altering the same and its implications.

3J. Write differentiating features of complete and partial hydatiform mole.

(7 marks × 10 = 70 marks)



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MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2017

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

Wednesday, October 04, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Discuss the etiology, pathogenesis and management of IUGR. (15 marks)

2. Describe the etiology, complications of preterm prelabor rupture of membranes. Discuss the preventive strategies to be adopted in her next pregnancy. (15 marks)

3. **Short essay questions:**

3A. Critically evaluate various magnesium sulfate regimens for eclampsia.

3B. Describe the causes and diagnostic criteria of neonatal hypoxic ischemic encephalopathy. Outline the treatment.

3C. Define maternal death. Describe components and classification of emergency obstetric care (EmOC).

3D. Discuss difficulties in management of transverse lie.

3E. Describe the causes of thrombocytopenia in pregnancy. Discuss the management of ITP complicating pregnancy.

3F. Discuss the diagnosis and management of maternal depression during pregnancy.

3G. Describe graphical analysis of labour. Discuss the causes and management of prolonged first stage of labor.

3H. Describe clinical manifestations and discuss management of vulval haematoma following delivery.

3I. Discuss the causes of postpartum collapse. Outline its management.

3J. Discuss the causes of jaundice in third trimester of pregnancy. Outline the management of any one condition.

(7 marks × 10 = 70 marks)



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

Thursday, October 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Critically evaluate tubal patency tests. Write management of blocked fallopian tubes.
(15 marks)
2. Write WHO classification of ovulatory disorders. Discuss the management of Premature Ovarian Failure.
(15 marks)

3. **Short essay questions:**

- 3A. Discuss conservative options for management of myomas.
- 3B. Write patient selection, merits and demerits of tension free vaginal tape.
- 3C. Critically evaluate the role of Laparoscopic Hysterectomy in Gynaecology.
- 3D. Discuss diagnosis and management of borderline ovarian tumours.
- 3E. Describe features on clinical examination and imaging in adenomyosis. Write conservative management of adenomyosis.
- 3F. List the Progestogens used in combined contraceptive pills with their merits and demerits.
- 3G. Discuss briefly on management of Vault prolapse.
- 3H. Write briefly on hydrosalpinx.
- 3I. Critically evaluate various procedures used to treat cervical intraepithelial neoplasia.
- 3J. Discuss the role of exenteration surgeries in cancer cervix.

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2017****SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY**

Friday, October 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Write non-obstetric causes for acute abdomen in third trimester. Mention the problems in diagnosis and write their management.

(15 marks)

2. Describe latest FIGO Staging of vulval cancer and recent advances in management.

(15 marks)

3. **Short essay questions:**

3A. Discuss blood component therapy and state its applications in obstetrics and gynecology.

3B. Write indications for foetal echocardiogram. Explain its impact on management of cardiac defects.

3C. Briefly discuss parental chromosomal rearrangement and its effect on pregnancy.

3D. Discuss the recent advances in preventing preterm labour.

3E. Discuss the practical problems of implementing PC- PNDT act.

3F. Discuss indications and technique of hysteroscopic surgery and describe measures used to reduce the complication rates.

3G. Discuss the methods and role of chemoradiation in gynecology.

3H. Discuss critically the role of various insulin sensitizers and laparoscopic ovarian drilling in PCOS.

3I. Discuss genetic counseling for a couple with previous history of baby with Down syndrome.

3J. Write a flow chart and explain diagnosis and management of anovulatory infertility.

(7 marks × 10 = 70 marks)

