

MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2019

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Tuesday, October 08, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long essay questions:

1. Write briefly on thyroid functions in pregnancy. Discuss complications and management of thyroid disorders in pregnancy.

(15 marks)

2. Explain significance of estimation of FSH and LH and list therapeutic uses of gonadotrophins in Gynecology.

(15 marks)

3. Short essay questions:

3A. What are the investigations done in Hyperemesis gravidarum? Discuss their clinical significance and their impact on treatment.

3B. Describe collateral arterial circulation of pelvis and write its clinical significance.

3C. Discuss the pharmacokinetics of Dexamethasone and its uses in Obstetrics and Gynecology.

3D. Describe the structure of gonadal stroma and the histopathology of tumors arising from the same.

3E. Describe structure and function of Vascular Endothelium. Discuss its significance in normal and complicated pregnancies.

3F. Describe the effects of maternal rubella in first trimester. Outline management of a lady with rubella at 6 weeks of pregnancy.

3G. Describe the anatomy of the vulva. List indications for simple vulvectomy and explain the procedure.

3H. Discuss functions of fallopian tube. Write briefly on clinical manifestations and management of tubal block.

3I. Describe phases of foetal lung development and its significance. Mention abnormalities of foetal thorax causing pulmonary hypoplasia. Briefly discuss their diagnosis and prognosis.

3J. Describe the vascular anatomy of anterior abdominal wall. Discuss the clinical implications during laparoscopic surgery.

(7 marks × 10 = 70 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2019

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

Wednesday, October 09, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essay questions:**

1. Discuss how pathophysiology of fetal growth restriction is reflected in clinical features of pregnancy, ultrasound and in the newborn.

(15 marks)

2. Discuss prerequisites, methods and problems of induction of labor.

(15 marks)

3. **Short essay questions:**

3A. What are the problems of diagnosis of tuberculosis in pregnancy? Discuss its management in pregnancy and puerperium.

3B. What is essential and emergency obstetric care? Enumerate NRHM programs to reduce maternal mortality.

3C. Discuss problems of peripartum cardiomyopathy and prosthetic valves in pregnancy. Write about prepregnancy counseling of women with cardiac disease.

3D. Discuss management of pregnancy and labor in women diagnosed with fetal anomalies in third trimester.

3E. Write briefly on Face to pubis delivery. Describe the type of pelvis responsible for the same.

3F. What are the medical problems exacerbating in the puerperium? Explain why. Write briefly on postnatal care.

3G. Describe risk factors and ultrasound diagnosis of adherent placenta.

3H. Discuss causes and management for difficulty in after coming head.

3I. Explain two important trials that made an impact on treatment of eclampsia.

3J. Discuss the role of an obstetrician in initiation and maintenance of breast feeding.

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2019
SUBJECT: PAPER III: GYNAECOLOGY

Thursday, October 10, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long essay questions:**

1. Describe the anatomy of vaginal apex and critically evaluate the diagnosis and management of Vaginal apex prolapse.

(15 marks)

2. Describe evaluation and differential diagnosis of suspicious adnexal masses in post-menopausal women. Comment on Risk Management Index (RMI) scoring.

(15 marks)

3. **Short essay questions:**

3A. Immediate Postpartum Intrauterine device for contraception.

3B. Medical methods of termination of pregnancy and their safety concerns regarding self-medication.

3C. The management of High risk Gestational Trophoblastic Neoplasia and metastasis.

3D. The controversies in morcellation of fibroids and its future.

3E. The management of vulvar cancer.

3F. Common Anti - Thrombotic agents, their mechanism of action and reversibility.

3G. The uterine sparing interventions in heavy menstrual bleeding.

3H. Classification of primary amenorrhea and its evaluation

3I. Management of vascovaginal fistula.

3J. Uterine transplantation.

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

MS (OBSTETRICS & GYNAECOLOGY) DEGREE EXAMINATION – OCTOBER 2019

SUBJECT: PAPER IV: RECENT ADVANCES IN OBSTETRICS AND GYNAECOLOGY

Friday, October 11, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long essay questions:

1. Discuss recent advances in trisomy screening in antenatal period.

(15 marks)

2. Discuss the indications and steps of ICSI.

(15 marks)

3. Short essay questions:

3A. Umbilical cord blood banking.

3B. Principles and practical uses of fetal aortic isthmus Doppler.

3C. Measures to prevent medicolegal problems during antenatal scans.

3D. Ultrasound evaluation of monozygotic twins.

3E. Barker's hypothesis and its long term consequences.

3F. Ethical and medicolegal issues of surrogacy.

3G. Management of Pap smear showing atypical glandular cells (AGC).

3H. POCSO (Protection of Children from Sexual Offences) Act.

3I. Controversies regarding mesh usage in gynaecological surgeries.

3J. Indications and goals of neoadjuvant chemotherapy in ovarian cancer and chemotherapy protocols for the same.

(7 marks × 10 = 70 marks)

