



**All India Institute of Medical Sciences, Kalyani**  
**Fourth Professional MBBS Examination, January 2024**

**Time: 3 Hrs.**

**OBSTETRICS AND GYNAECOLOGY**

**Marks: 100**

**(Paper-I)**

**INSTRUCTIONS:**

- Answer all questions.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

**SECTION – A (50 MARKS)**

1. A lady, 32years, ML-10 yrs, G2P1+0+0+1, last child birth 7 years ago, FTND k/c/o Rheumatic Heart Disease with Mitral Stenosis for last 8 years was admitted in LR at 30 wks with chief c/o dyspnea, Pulse 80/minute, irregularly irregular **(4+3+3=10)**
  - a. Discuss the management of the above patient
  - b. What are the Physiological changes in the hematological and cardiovascular system in pregnancy?
  - c. What are the conditions included in WHO IV category according to Modified WHO classification of maternal cardiovascular risk?

**Short Notes**

**(8×5=40)**

2. Clinical manifestations and management of Peripartum Cardiomyopathy
3. Obstetric uses Magnesium sulphate
4. Principle behind the Urine pregnancy test kit (UPT Kit)
5. Biophysical profile
6. Pre-conceptional counselling in a patient with type 2 diabetes mellitus
7. Anticoagulation in pregnancy
8. Screening for preeclampsia
9. Lambda Sign and its significance

## SECTION – B (50 MARKS)

1. A 30-year-old pregnant woman at 34 weeks of gestation presents with new-onset hypertension (systolic blood pressure 150 mm Hg and diastolic blood pressure 100 mm Hg) and proteinuria (1.2 grams in a 24-hour urine collection). She complains of headaches and epigastric pain. Outline the diagnostic criteria, pathophysiology, and initial management of her condition, and discuss the potential maternal and fetal complications associated with untreated preeclampsia.

(2+2+2+2+2=10)

### Short Notes

(8×5=40)

2. What is Apgar score and its significance in assessing the newborn's condition immediately after birth.
3. What is ectopic pregnancy? Explain the common risk factors, clinical presentation, and management options for this condition.
4. Define oligohydramnios. Mention the potential complications and management strategies for this condition.
5. Describe the three stages of labor and briefly outline the key events and milestones in each stage.
6. MTP Act
7. Briefly explain the principles and components of antenatal care in a low-risk pregnancy.
8. Hydrops fetalis
9. Physiological changes in the cardiovascular system during pregnancy.