

**M.S. DEGREE EXAMINATION**  
**BRANCH II – OBSTETRICS AND GYNAECOLOGY**  
**PAPER I – APPLIED BASIC SCIENCES IN OBSTETRICS AND**  
**GYNAECOLOGY**

*Q.P. Code: 222241*

**Time : Three Hours**

**Maximum : 100 Marks**

**Write Notes on :**

**I. ANATOMY:**

**(4 x 5 = 20)**

1. Frankenhäuserplexus
2. Adnexal triangle
3. Cooper ligament
4. Bartholin gland

**II. PHYSIOLOGY:**

**(4 x 5 = 20)**

1. Materno-fetal barrier
2. Cerebrovascular dysfunction in preeclamptic pregnancies
3. physiologic dyspnea
4. HLA-G protein

**III. BIO-CHEMISTRY:**

**(3 x 5 = 15)**

1. What factors regulate IGFs?
2. Mutation testing
3. What is the significance of performing FSH and LH estimation.

**IV. PHARMACOLOGY:**

**(3 x 5 = 15)**

1. Filgrastim
2. HAART regimen?
3. Direct oral anticoagulants

**V. MICROBIOLOGY:**

**(3 x 5 = 15)**

1. Congenital cytomegalovirus (CMV) infection
2. What are the features of Fitz-Hugh-Curtis syndrome ?
3. Vulvar abscesses?

**VI. PATHOLOGY:**

**(3 x 5 = 15)**

1. Congenital adrenal hyperplasia
2. VIN
3. Labial adhesions

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