

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MS 0522]

MAY 2022

Sub. Code: 2241

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. Amniotic fluid formation.
2. Urogenital triangle.
3. Lymphatic drainage of pelvis.
4. Gonadal development.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Endocrine control of ovulation.
2. Fetal circulation and changes after birth.
3. Iron metabolism in pregnancy.
4. Kallman's syndrome.

III. BIO-CHEMISTRY: (3 x 5 = 15)

1. VEGFs.
2. Gap junctions.
3. Cell adhesion molecules.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Nitric oxide.
2. Atezolizumab.
3. Calcitonin.

V. MICROBIOLOGY: (3 x 5 = 15)

1. Staphylococcal toxic shock syndrome.
2. SARS and other corona viruses in pregnancy.
3. Functions of T cells.

VI. PATHOLOGY: (3 x 5 = 15)

1. Haematocolpos.
2. Premature ovarian insufficiency.
3. Heteroplasia and cellular response to injury.
