

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

(MCH 0822)

AUGUST 2022

Sub. Code: 1976

M.Ch. – REPRODUCTIVE MEDICINE AND SURGERY

**Paper I – BASIC SCIENCES APPLIED TO REPRODUCTIVE
ENDOCRINOLOGY / ASSISTED REPRODUCTIVE TECHNOLOGY**

Q.P. Code: 181976

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Discuss the stages of spermatogenesis. Globozoospermia: diagnosis and Management.
2. Discuss the process of embryo implantation. Explain the ways to improve the implantation.

II. Write notes on: (10 x 7 = 70)

1. Oral Ovulogens: What are the options and describe the protocols for PCOS.
2. How will you evaluate and manage Non-obstructive azoospermia?
3. Discuss the evaluation and management of hirsutism.
4. Describe the physiology of LH and its role in IVF treatment.
5. Acrosome reaction and capacitation.
6. Role of GnRh- agonist in Infertility treatment.
7. What are the factors which results in infertility in endometriosis?
8. Regulation of spermatogenesis.
9. Role of insulin sensitizers in ART.
10. Diagnostic tests for female genital tuberculosis.
