

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

(MCH 0822)

AUGUST 2022

Sub. Code: 1979

M.Ch. – REPRODUCTIVE MEDICINE AND SURGERY

**Paper IV – RECENT ADVANCES IN ASSISTED REPRODUCTIVE
TECHNOLOGY / EMBRYOLOGY, ETHICAL AND LEGAL ISSUES**

Q.P. Code: 181979

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss various female fertility preservation: options and protocols.
2. Pre- implantation genetic testing (PGT): Discuss the evidence in ART treatment.

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

1. Ethics in third party reproduction.
2. Artificial intelligence in reproductive medicine.
3. Cross border reproductive care: pros & cons.
4. “Batch IVF programme” - Practical consideration.
5. Discuss the difference between WHO 2010 & WHO 2021 manual on semen analysis.
6. Role of Doppler studies in IVF treatment.
7. Role of Metabolomics in ART.
8. Kisspeptin use in Reproductive medicine.
9. Use of artificial intelligence in ART procedure.
10. Pros and Cons of New Surrogacy bill.
