

QP Code: 104519

Reg. No: .....

**M.Ch (Reproductive Medicine and Surgery) Degree Supplementary  
Examinations June 2024**

**Paper IV – Recent Advances**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay: (20)**

1. Discuss various female fertility preservation: options and protocols.

**Short essays: (8x10=80)**

2. “Batch IVF programme” - Practical consideration
3. KPIs in Andrology and Embryology lab.
4. Soft stimulation protocols – effectiveness in comparison with conventional stimulation
5. Discuss the difference between WHO 2010 and WHO 2021 manual on semen analysis
6. PROS & CONS of Time lapse technology in embryo culture and selection
7. Role of Doppler studies in IVF treatment
8. Paternal factor impact in embryogenesis
9. Pre- implantation Genetic Testing (PGT): Discuss the evidence in ART treatment

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