

QP Code: 104519

Reg. No:

**M.Ch (Reproductive Medicine and Surgery) Degree
Regular/Supplementary Examinations April 2025**

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. Critically evaluate the WHO – 2021 semen analysis

Short essays: (8x10=80)

2. Mitochondrial disease and mitochondrial transfer – indications and current status
3. Oocyte activation
4. Use of stem cells in reproductive medicine
5. Ovarian rejuvenation
6. Non – Invasive PGT (NIPGT)
7. Adhesion barriers in laparoscopic surgery
8. How to reduce cryo-injury of embryo during vitrification
9. Anti-oxidants in culture media
