

Rajiv Gandhi University of Health Sciences, Karnataka

Fellowship Examination – 08-Sep-2023

[Time: 3 Hours]**[Max. Marks: 100]**

Clinical Embryology & Assisted Reproductive Technology (Embryology and Andrology)- PAPER – II

QP Code: 4372

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions**10 X 10 = 100 Marks**

1. Explain Oogenesis and ideal morphology of ovum.
2. Explain natural fertilization event in human body.
3. Explain essential parameters assessed in semen analysis as per WHO-11 criteria.
4. What is culture media? Pros and cons of sequential vs. single step media.
5. What is IVF? Pros and cons of conventional IVF vs ICSI in non-male factor infertility.
6. Explain the key performance indicators for an IVF-ICSI program with their calculation formulae.
7. What is premature ovarian insufficiency? Can PRP improve the ovarian reserve?
8. What is preimplantation genetic testing? Explain the pros and cons of PGD.
9. What is cryopreservation? Explain the types and role of different cryoprotectants.
10. Answer the following:
 - i. What is the age limit of oocyte donor in India according ART Act 2022
 - ii. Explain the eligibility criteria of couple or woman to opt IVF treatment in India according to ART act 2022
 - iii. What is called as implantation failure?
 - iv. How to defined poor responder in IVF?
 - v. What is vitrification?

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