

M.Sc. Sem.-1 Examination

404

CE & ART

January-2024

Time : 2-30 Hours]

[Max. Marks : 70

Q.1A	Write a note on follicular development after puberty.	7
Q.1B	Write a note on female reproductive endocrinology.	7
	OR	
Q.1A	Write a note on maturation of oocyte.	7
Q.1B	Explain 2 cell 2 gonadotropin theories in detail.	7
Q.2 A	Explain in detail the process of grading oocytes on the basis of morphology.	7
Q.2 B	Explain different stimulation protocols in IVF.	7
	OR	
Q.2 A	Explain the physiology of female infertility.	7
Q.2 B	Give a detailed protocol for diagnosis of female infertility.	7
Q.3 A	Explain in detail the process of spermiogenesis and DNA packaging in sperm.	7
Q.3 B	Write a note on male reproductive endocrinology.	7
	OR	
Q.3 A	Write a note on internal and external anatomy of testis.	7
Q.3 B	Write a note on accessory gland in male reproductive system.	7
Q.4 A	Give details on advanced semen analysis.	7
Q.4 B	Explain in detail the process of diagnosis and treatment of male infertility.	7
	OR	
Q.4 A	Write a note on genetic and physical aspects of male infertility.	7
Q.4 B	Explain the morphology of sperm and its function.	7
Q.5	Answer the Following Short Questions (Any 7)	14
1	Explain the difference between Cryptozoospermia and Cryptorchidism.	
2	What is retrograde ejaculation?	
3	Which are the genetic factors responsible for male infertility?	
4	What is Kallman syndrome?	
5	Explain dag defect and corkscrew defect in sperm morphology.	
6	Name the site and cells responsible for spermatogenesis.	
7	Draw a diagram for endocrinological regulation of menstrual cycle.	
8	Explain the physiology of uterus.	
9	Which are the genetic factors responsible for female infertility?	
10	What is the role of AMH?	
11	Explain the role of oxytocin and inhibin.	
12	Explain the types of infertility.	