

MSc Sem.-2 Examination

409

CE & ART

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

Q.1A	Describe the anatomy and physiology of the female reproductive system	7
Q.1B	Discuss the role of the hypothalamic-pituitary-ovarian axis in female reproductive endocrinology.	7
	OR	
Q.1A	Explain the significance of female reproductive hormones in regulating gametogenesis and menstrual cycle.	7
Q.1B	Describe the process of oocyte maturation in detail, including its stages and hormonal regulation.	7
Q.2 A	Discuss the etiology, clinical features, and management strategies for endometriosis in infertility.	7
Q.2 B	What is poor ovarian reserve? Explain its causes, diagnosis, and management in ART.	7
	OR	
Q.2 A	Describe the causes, clinical presentation, and treatment of pelvic inflammatory disease (PID) in relation to infertility.	7
Q.2 B	Explain the role of tubal factor infertility in female reproductive failure and its diagnostic modalities.	7
Q.3 A	Explain the role and procedure of hysteroscopy in fertility enhancement.	7
Q.3 B	Explain the purpose, timing, and types of medications prescribed after fertility treatment	7
	OR	
Q.3 A	Describe the indications, procedure, and benefits of laparoscopy in infertility management.	7
Q.3 B	Describe the endometrial receptivity assay, its procedure, and clinical significance in ART.	7
Q.4 A	Outline the evaluation procedures for an infertile male in an ART setting.	7
Q.4 B	Explain etiology, diagnosis, treatment and management techniques of Azoospermia in male infertility.	7
	OR	
Q.4 A	Discuss the medical management options for male infertility, including hormonal and non-hormonal therapies	7
Q.4 B	Explain the detailed SOP for diagnosis and treatment of male infertility.	7
Q.5	Answer the Following Short Questions (Any 7)	14
1	Define the luteal phase of the menstrual cycle.	

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2	Name two female reproductive hormones and its function.	
3	Mention tests used to assess ovarian reserve.	
4	Name two symptoms of pelvic inflammatory disease.	
5	Mention one medication used after embryo transfer in IVF	
6	Define ovarian cystectomy.	
7	Name any two indications for laproscopy.	
8	Name two surgical sperm retrieval techniques.	
9	Mention advantages of TESA.	
10	Mention any two indications for testicular biopsy.	