

Q-I	1	Describe in detail the steps involved in tissue processing and embedding.	(14)
	2	Write a note on the staining characteristics of amphophilic and neutrophilic tissues.	
	OR		
	1	Write a note on immunohistochemistry.	
	2	Write a detailed note on mordants and their function in histological staining.	
Q-II	1	Explain: Renal Acidosis	(14)
	2	Write a note on: Emphysema	
	OR		
	1	Explain: Disorders of Urination	
	2	Explain: Diseases of the Pancreas	
Q-III	1	What is infertility? Write down the general risk factors and medical conditions affecting both male and female infertility.	(14)
	2	What is ART? Explain the ICSI, ZIFT, and GIFT techniques in detail.	
	OR		
	1	What is breast cancer? Write down different stages, diagnosis, and treatments for breast cancer.	
	2	What is skin cancer? Write down different types of skin cancers in detail.	
Q-IV	1	Discuss the therapeutic applications of bone marrow transplant.	(14)
	2	Give a note on FRET.	
	OR		
	1	Write a short note on "how a protein is identified as a molecular medicine target".	
	2	Explain Morpholino, including its mechanism and applications.	
Q-V	Answer any SEVEN out of TWELVE.		(14)
	1	Give any two commonly used fixatives.	02
	2	Define tissue embedding.	02
	3	Define metachromatia.	02
	4	What is carbon monoxide poisoning?	02
	5	Give examples of Liver diseases	02
	6	Define - Nephritis	02
	7	What is endometrial cancer? What are the types of endometrial cancer?	02
	8	Give the full name of DEXA.	02
	9	What are the blood tests for the detection of rheumatoid arthritis?	02
	10	Define: Euphenics	02
	11	Differentiate between pharmacogenetics and pharmacogenomics.	02
	12	What is Eteplirsen and its primary therapeutic use?	02

