

Name. _____		<b>Printed Pages:01</b>		
Student Admn. No.: _____				
<b>School of Basic and Applied Sciences</b> <b>Backlog Examination, June 2023</b> <b>[Programme: M.Sc. Forensic Science] [Semester: II ] [Batch: 01 ]</b>				
Course Title: Elements of Forensic Biology		<b>Max Marks: 100</b>		
Course Code: MBS27T1111		<b>Time: 3 Hrs.</b>		
<b>Instructions:</b>	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
<b>SECTION-A (15 Marks)</b>		<b>5 Marks each</b>		
<b>1.</b>	Explain the polyclonal antibodies.	K2	CO1	5
<b>2.</b>	Illustrate the various confirmatory tests for the blood examination.	K2	CO2	5
<b>3.</b>	Summarize the method for the blood grouping from old blood stains.	K2	CO3	5
<b>SECTION-B (40 Marks)</b>		<b>10 Marks each</b>		
<b>4.</b>	Explain the concept of antigen-antibody reaction.	K2	CO1	10
<b>5.</b>	Explain biological fluids and describe the composition of blood.	K3	CO2	10
<b>6.</b>	Organize the Biochemistry of ABO and Rh System.	K3	CO3	10
<b>7.</b>	Classify the preliminary and confirmatory tests for semen. OR List the ways for the collection and preservation of biological evidence.	K4	CO4	10
<b>SECTION-C (45 Marks)</b>		<b>15 Marks each</b>		
<b>8.</b>	Simplify the Composition and morphology of spermatozoa. Explain the P30 test.	K4	CO4	15
<b>9.</b>	Explain the collection evaluation and forensic significance of Hair.	K5	CO5	15
<b>10</b>	Explain the DNA methylation process. OR Explain Touch DNA. Conclude the DNA profiling technique.	K5	CO6	15