PRN:		Course Code:	U26MM302

Second Year **B. Sc. (FST)** End Semester Examination Winter 2024

Fundamentals in Blood Banking 000597

Day and Date: Mon 25 NOV 2024 Max Marks: **50**

Time: 10:30AM To 12:30PM Duration: **02** hrs

Instructions: All questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Attempt the following**			
a)	What is the composition of Hyem's diluting fluid?	02	1	CO1
b)	What is Abnormal hemoglobin?	02	1	CO1
c)	State the importance of cell counting.	02	1	CO1
d)	Define prothrombin time.	02	1	CO1
e)	Define acid hemolysis.	02	1	CO1
Q.2	**Attempt any two from the following**			
a)	Write the detail procedure of venous blood collection.	05	2	CO1
b)	Write a note on anticoagulants used in blood banks.	05	1	CO2
c)	How hematocytometry is used to enumerate blood cells?	05	2	CO2
Q.3	**Attempt any two from the following**			
a)	Write a note on Packed Cell Volume.	05	1	CO1
b)	What are different methods of hemoglobinometry?	05	1	CO2
c)	Describe in brief: Erythrocyte sedimentation rate.	05	2	CO2
Q.4	**Attempt any two from the following**			
a)	What is the cell counting? What is method used for cell counting?	05	1	CO1
b)	Explain in brief: Absolute eosinophil count.	05	2	CO2
c)	Explain in brief: Anemia.	05	2	CO1
Q.5	**Attempt any two from the following**			
a)	Explain in brief: Reticulocyte count.	05	2	CO1
b)	What are the methods of staining of blood smears?	05	1	CO2
c)	What are normal and abnormal RBCs?	05	2	CO2

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