

MASINDE MULIRO UNIVERSITY
UNIVERSITY EXAMINATIONS
MSc. IN HEMATOLOGY
MAY-AUGUST 2017/ 2018 SEMESTER
BMH823: PLATELET & HAEMOSTASIS PATHOLOGY
TIME: 2 HOURS

INSTRUCTIONS:

1. Do not write anything on this question paper
 2. Questions in Section ONE is Compulsory and any other 3 questions.
 3. Each question is 25 marks
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1. Using a diagram, describe the origin and give a detailed ultrastructure of thrombocyte [25 marks]
2. A) Describe the intrinsic and extrinsic pathways of coagulation cascade. [20 marks]
B) Outline 5 laboratory tests that could be used to assess the integrity of coagulation cascade [5 marks]
3. Briefly discuss 4 pathophysiological mechanisms of thrombocytopenia and list 5 mechanisms that could falsely lower platelet count [25 marks]
4. Explain the term thrombophilia and discuss its laboratory investigations [25 marks]
5. Briefly describe 2 **acquired** and 3 **inherited** disorders of coagulation [25 marks]