

MASINDE MULIRO UNIVERSITY

UNIVERSITY EXAMINATIONS

MSc. IN HEMATOLOGY

MAY-AUGUST 2017/2018 SEMESTER

BMH 825: BLOOD TRANSFUSION DONOR SERVICE MANAGEMENT

TIME: 2 HOURS

INSTRUCTIONS:

1. Do not write anything on this question paper
1. Questions in Section ONE is Compulsory and any other 3 questions.
2. Each question is 25 marks

1. Discuss the preparation, storage and list 2 indications of the following blood products:
 - I. packed red cells,
 - II. platelet concentrates
 - III. cryoprecipitate
 - IV. fresh frozen plasma
 - V. Single donor plasma (SDP) **(25 marks)**

2. a) Discuss 4 anticoagulants used in blood banking outlining their composition and the role of their components. **(16 marks)**
b) Briefly the phlebotomy procedure in blood banking. **(9 marks)**

3. a) Discuss the laboratory investigations of blood transfusion reactions. **(15 marks)**
b) Define the term " **hemovigilance**" and explain its role in blood donor service management **(10 marks)**

4. a) Describe the hierarchical organization of blood transfusion service in Kenya explaining the role of each level. **(15 marks)**
b) Discuss how you would evaluate the competency of a blood bank personnel **(10 marks)**

5. a) Discuss how you would evaluate the competency of a blood bank personnel **(10 marks)**
b) Discuss biosafety measures in blood bank to ensure safety of both the donor and the recipient **(10 marks)**