FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA
Department of Medical Laboratory Science
Year End Examination – Year 2 - 9th Batch
Transfusion Medicine (MLS 2202) – Theory II

17th December 2019   Time: 10.00 a.m. - 11.00 a.m.   Duration: 1 hour

Answer all questions.   Index Number: ....

1. Acute Haemolytic Transfusion Reaction was reported from the ward during the transfusion of red cell concentrate to a 30-year old male who is anaemic.
   Investigations revealed that ABO incompatible blood transfusion was given to this patient due to a blood grouping error happened at the Blood Bank, although correct sample was received from the patient.

   1.1. What are the critical points at which this error can happen in the Blood Bank?

   (30 marks)

   1.2. State how would you take measures to prevent this type of errors?   *(40 marks)*

   1.3. What are investigations you should be carried out in the blood bank?   *(30 marks)*

2. Complaint was received from a clinician of the hospital that platelet increment is very poor after platelet transfusions. He pointed out that it is due to quality failure.

   2.1. What are the factors which affect the quality of platelets in the blood pack in the blood donation center?   *(30 marks)*

   2.2. Describe how you would ensure the quality of platelet concentrate prepared at blood bank.   *(40 marks)*

   2.3. What are the parameters you should check to assess the quality of platelet concentrate?   *(30 marks)*