

B.Sc. IN MEDICAL LABORATORY TECHNOLOGY

Term-End Examination

June, 2017

**BAHI-003 : IMMUNO-HAEMATOLOGY AND
BLOOD BANKING**

Time : 3 hours

Maximum Marks : 70

Note : *Attempt any six questions. Question No. 7 is compulsory.*

1. Define ABO blood groups. Describe the procedure of ABO grouping. What are the advantages of reverse blood grouping? 10
2. How will you select a donor in the blood bank for a safe transfusion? Describe the crossmatch procedure that you could do for a patient. 10
3. Define blood components. Describe the procedure for the preparation of platelet concentrate and mention its significance. 10
4. Describe the basic principles of quality control and quality management in blood banking system. 10
5. Enlist basic principles of blood banking. Describe organisation of blood transfusion services. 10
6. Enlist transfusion reactions. How will you investigate in the laboratory the reactions? 10

7. Write short notes on **any four** of the following : 5x4=20
- (a) Haemolytic transfusion reaction
 - (b) Du antigen
 - (c) Coombs' Serum
 - (d) Cryoprecipitate
 - (e) Anticoagulant used in Blood bank
 - (f) Platelet Rich Plasma
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