

**B.Sc. IN MEDICAL LABORATORY  
TECHNOLOGY (BMLT)**

**Term-End Examination**

00343

**December, 2016**

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

*Time : 3 hours*

*Maximum Marks : 70*

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

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1. What are transfusion reactions ? Describe the laboratory procedures to investigate the case of transfusion reaction. 10
  
2. Define the blood components. Describe the preparation of fresh frozen plasma and packed cells. 4+6=10
  
3. Describe the basic concepts of organisation of blood banking system and the parameters of check in blood banking. 10

4. Define erythroblastosis fetalis and mention the causes of erythroblastosis fetalis. Write the main findings in the blood of the mother and baby in the different types of HDN. 4+6=10
5. What are minor blood groups ? Describe the procedures of screening of cross-reactions in this group. 10
6. What are antibody titres ? Describe the clinical significance of titres of anti-B. 10
7. Write short notes on any *four* of the following :  $4 \times 5 = 20$
- (a) Bombay blood group
  - (b) Blood Preservation
  - (c) Rh HDN
  - (d) Du typing
  - (e) Donor's Screening Tests
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