



DRR-3237

Third Year B. Sc. (Sem. VI) Examination

March / April - 2016

**Microbiology : Paper - MB-22
(Haematology & Blood Banking)**

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दृशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
Third Year B. Sc. (Sem. VI)	<input type="text"/>
Name of the Subject :	<input type="text"/>
Microbiology : Paper - MB-22 (Haematology & Blood Banking)	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 2 <input type="text"/> 3 <input type="text"/> 7	<input type="text"/>
Section No. (1, 2,.....) : <input type="text"/> NIL	

(2) Figures to the right indicates full marks of the question.

(3) Draw neat and labelled diagram wherever necessary.

1 Give specific answers : 12

- (a) What is polymorphonuclear Leucocytes ? State its function.
- (b) Define Haemoglobin with its types found in normal adult.
- (c) What is Bombay blood group ? State the antibodies developed in Bombay blood group individual.
- (d) Elaborate PCV and state the techniques for its detection.
- (e) State the criteria of age and weight for blood donor.
- (f) Define the term : Haemostasis and Erythrocytosis.

2 Explain/Comment on any two of the following : 12

- (a) There are many reasons for the occurrence of anaemia.
- (b) Serum and Plasma are the different components of the blood.
- (c) Inheritance of antigenic characteristic of red blood cells follows Mendelian Laws.

- 3** Attempt any two of the following in detail : **16**
- (a) Give detail account on types of anticoagulant with their significance.
 - (b) Explain preparation and significance for packed red blood cell and platelet concentrate.
 - (c) Explain ABO blood grouping with procedure and precautions.
- 4** Write short notes on any two of the following : **10**
- (a) Differential count
 - (b) Prothrombin time
 - (c) Screening of donor.
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