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) Fill up strictly the details of \[\text{signs on your answer book.}
Name of the Examination : Third Year B. Sc. (Sem. VI)
Name of the Subject : Microbiology : Paper - MB-22 (Haematology & Blood Banking)
Subject Code No. : 3 2 3 7 Section No. (1, 2,.....) : 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:

(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:

(a) Differential count

(b) Prothrombin time

(c) Screening of donor.