



RAN-1177

B. Sc. (Sem. VI) Examination

March / April - 2019

Bioscience

602: Blood Banking

Time: 2 Hours]

[Total Marks:50

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B. Sc. (Sem. VI)

Name of the Subject :

Bioscience

Subject Code No.: 1 1 7 7

Seat No.:

--	--	--	--	--	--

Student's Signature

Instruction:

- (1) Draw neat and labeled diagrams wherever necessary.
- (2) Figures to the right indicate full marks of the question

Q.1 Answer as directed (12)

- (a) Explain: Haemapheresis
- (b) Describe in brief Coomb's cell suspension.
- (c) Enlist the various blood collection packs.
- (d) Write full form and composition of CPDA.
- (e) Which infectious agents are tested as a part of screening of donor blood?
- (f) Who invented ABO & Rh blood grouping system?

Q.2 Write a detailed essay on ABO and Rh blood group system. (14)

OR

Explain: Blood collection procedure, anticoagulant, storage of blood and blood component in blood bank. (14)

Q.3 Explain in detail **Any Two:** **(14)**
(a) Tile method.
(b) Haemolytic transfusion reaction
(c) How transfusion reactions are investigated?

Q.4 Write Short note on **Any Two:** **(10)**
(a) Serum grouping.
(b) Febrile & allergic transfusion reaction
(c) Rh typing.
