



RAN-1903

B.Sc/M.Sc. - Integrated Biotechnology Semester-VI (CBCS) Examination

March / April - 2019

Generic Elective: Blood Banking Technique-II

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

1.

नीचे दशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B.Sc/M.Sc. - Integrated Biotechnology Semester-VI (CBCS)

Name of the Subject :

Generic Elective: Blood Banking Technique-II

Subject Code No.: 1 9 0 3

Seat No.:

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Student's Signature

2. Figures to the right indicate full marks.
3. Draw neat and labeled diagrams wherever necessary.

Q.1. Answer in Short: (Any Four):

(08)

- a. What shall be difference between Platelet rich Plasma and Platelet Concentrate?
- b. Which coagulation factor shall be focused while preparing cryoprecipitate?
- c. Why screening of malaria is mandatory before transfusion of blood into recipient. Which test were used for screening of malaria?
- d. What is thawing? Why it is required to thaw FFP before transfusion?
- e. List antigen of HIV virus.

Q. 2. Answer the following (Any Two): (14)

- a. Which blood products can be used for Thalassemic patient?
How to prepare this blood product from whole blood.
- b. Describe various anticoagulants preservative solution used in blood bags along with function of each components.
- c. Preparation, Indications, dose and administration of Fresh Frozen Plasma.

Q. 3. Answer the following (Any Two): (14)

- a. What physical and biochemical changes occurs in stored blood?
- b. Describe any one method for screening of HBSAg.
- c. Describe major conditions for donor deferral and rejection.

Q. 4. Write a note on (Any Two): (14)

- a. Investigation of Transfusion reaction.
 - b. Transmission and Pathogenesis of HIV.
 - c. Mosquito cycle of Malaria.
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