



RAN - 2003001105020002

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B.Sc. (Biotechnology) Examination October - 2023

Biotechnology

BT - 12 Clinical Haematology

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

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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. (Biotechnology)

Name of the Subject :

Biotechnology BT - 12 Clinical Haematology

Subject Code No.: **2003001105020002**

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.
(3) Draw neat and labelled diagrams wherever necessary.

Q. 1 Define/Answer in short Any Four:

(8)

- (a) State two principles observed for blood transfusion.
(b) Define : Erythropoiesis.
(c) What is red cell concentrates?
(d) Write down the Full form of PPF.
(e) Definition of Haematocrit.

Q. 2 Attempt Any Two:

(14)

- (a) Note on Hematopoietic system.
(b) Write in details about Haemoglobin derivatives.
(c) Write a note on complete blood count.

Q. 3 Explain in detail Any Two: (14)

- (a) Explain Haematocrit and its determination by Wintrobe's method.
- (b) Note on : Inheritance of the ABO blood groups.
- (c) Write a note on Rh blood group system.

Q. 4 Attempt Any Two of the following: (14)

- (a) Different methods used for blood collection. Discuss in details.
 - (b) Note on: Blood transfusion.
 - (c) Use of blood derivatives.
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