



RAN - 2303001110030002

RAN-2303001110030002

M. Sc. (Integrated) Biotechnology (Sem. - X) Examination April - 2023

BT - S - 4003 : Essential Skills for Clinical Laboratories

[Total Marks: 70

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

M. Sc. (Integrated) Biotechnology (Sem. - X)

Name of the Subject :

BT - S - 4003 : Essential Skills for Clinical Laboratories

Subject Code No.: 2303001110030002

Seat No.:

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

Student's Signature

Q. 1. Answer any two of the following : (18)

1. Explain the detail about different types of *E.coli*.
2. Describe in detail of chemical examination of urine.
3. Discuss about different types of abnormalities in sperm structure.

Q. 2. Answer any two of the following : (18)

1. Explain the tubular function test.
2. Discuss about liver function test.
3. Describe about determination of lipid in serum.

Q. 3. Answer any two of the following : (18)

1. Immunological pregnancy test and widal test.
2. Detection of dengue fever and *leptospira IgM*.
3. Detection of HBsAg and malaria test.

Q. 4. Answer any two of the following :

(16)

1. Discrete auto analyzer.
 2. Methods for molecular diagnosis of genetic disease.
 3. Diagnosis of parental chromosomal abnormalities.
-