

BACHELOR OF SCIENCE (LABORATORY SCIENCES) (CBCS - 2019 COURSE)
B.Sc. (Lab Sci) Sem-V : WINTER :- 2021
SUBJECT: BLOOD BANKING

Day : Tuesday
Date 1/2/2022

W-22573-2021

Time : 10:00 AM-12:00 PM
Max. Marks: 20

N.B.:

- 1) There are three sections as
Section – A = Objective Type Questions - 20 marks.
Section – B = Long Answer Questions - 20 marks.
Section – C = Short Answer Questions - 20 marks.
- 2) Section A is given in **SEPARATE** sheet and has to be answered on same sheet.
This sheet should be completed with the first **20** minutes of starting of the examination. This sheet with Section A only will be collected by Supervisor.
- 3) Section B has four long questions and any **TWO** questions have to be answered.
- 4) Section C has six short questions and any **FOUR** questions have to be answered.
- 5) You have to make ☒ such kind of mark in the box of the appropriate answers.

Seat No. _____

SECTION – A

M.C.Q's

1. Normal saline is solution of Sodium Chloride in following percentage:
a) ☐ 0.19%
b) ☐ 0.85%
c) ☐ 11.0%
d) ☐ 13%
2. Specific gravity of CuSO_4
a) ☐ 1.053
b) ☐ 1.24
c) ☐ 2
d) ☐ 1.64
3. Sahli's method is used for detection of following:
a) ☐ RBC
b) ☐ WBC
c) ☐ Hb
d) ☐ Platelet
4. International colour code for Anti B is _____.
a) ☐ Pink
b) ☐ Blue
c) ☐ Yellow
d) ☐ White

P.T.O.

5. Shelf life of whole blood if SAGM anticoagulant used is ____.
- a) ☐ 21 days
 - b) ☐ 28 days
 - c) ☐ 35 days
 - d) ☐ 42 days
6. Human red cell concentrate is stored at ____.
- a) ☐ 2 - 6° C
 - b) ☐ 20 - 24° C
 - c) ☐ 8 - 10° C
 - d) ☐ None of the above
7. Human platelets are stored at ____.
- a) ☐ 20 - 24° C
 - b) ☐ 2 - 6° C
 - c) ☐ 2 - 8° C
 - d) ☐ 8 - 10° C
8. Human fresh frozen plasma is stored at ____.
- a) ☐ - 40° C
 - b) ☐ - 10° C
 - c) ☐ 2 to 10° C
 - d) ☐ 20° to 22° C
9. Which of the following is not a high risk behavior as far as TTD is concerned?
- a) ☐ Multiple sex partners
 - b) ☐ Homosexuality
 - c) ☐ Sexual contact with CSW
 - d) ☐ Shaking hands
10. Donor deferral period for corona is ____.
- a) ☐ 20 days
 - b) ☐ One month
 - c) ☐ 28 days
 - d) ☐ Six months

Total Marks Obtained: _____

Signature of Invigilator: _____

Signature of Examiner: _____

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W-22573-2021

Time : 10:00 AM-12:00 PM

Max. Marks: 40

N.B.:

- 1) There are three sections as
Section – A = Objective Type Questions - 20 marks.
Section – B = Long Answer Questions - 20 marks.
Section – C = Short Answer Questions - 20 marks.
 - 2) Section B has four long questions and any **TWO** questions have to be answered.
 - 3) Section C has six short questions and any **FOUR** questions have to be answered.
 - 4) Answer to both the sections should be written in **SAME** answer book.
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SECTION – B

Long answer (attempt **ANY TWO**):

[20]

- 1) Compatibility tests
- 2) Tests for transfusion transmitted diseases
- 3) What are the quality control done in blood center?
- 4) Rh System.

SECTION – B

Short answer (attempt **ANY FOUR**):

[20]

- 1) Plasma Fractionation
- 2) Cryoprecipitate
- 3) What is Haemolytic blood reaction?
- 4) Universal Blood Donor for human RBC and human fresh frozen plasma.
- 5) Autologous Blood
- 6) Rh disease of Newborn

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