

**BACHELOR OF SCIENCE (ANAESTHESIA & OT TECHNOLOGY) (CBCS - 2020 COURSE)**

**B. Sc. (Anaesthesia & OT Technology) Sem - II :SUMMER- 2022  
SUBJECT : MICROBIOLOGY**

Day : Wednesday  
Date : 20-07-2022

**S-23397-2022**

Time : 10:00 AM-12:00 PM  
Max. Marks : **30**

**N.B.**

- 1) There are **THREE** sections as  
Section –A – Objective Type questions      10 marks  
Section –B – Long Answer questions      20 marks  
Section –C – Short Answer questions      10 marks
- 2) Section **B** has four long answer questions and **ANY TWO** questions have to be Answered.
- 3) Section **C** has six short answer questions and **ANY FIVE** questions have to be Answered.
- 4) Section B and C should be written in same answer book.
- 5) Draw neat diagrams wherever necessary.

**SECTION – B**

**Long answer questions (attempt any two) (20)**

- 1 Classify culture media used in microbiology giving examples of each and their application.
- 2 Enumerate bacteria causing UTI. Describe laboratory diagnosis of a case of UTI.
- 3 Describe morphology and life cycle of Plasmodium vivax. Describe laboratory diagnosis of malaria.
- 4 Enumerate fungi causing opportunistic infections. Describe laboratory diagnosis of cryptococcosis.

**SECTION – C**

**Short answer questions (attempt any five) (10)**

- 1 Catagories of bio-medical waste disposal
- 2 Widal test
- 3 Innate immunity
- 4 Routes of transmission of HIV
- 5 Lab diagnosis of amoebic dysentery
- 6 Lab. diagnosis of dengue fever

\* \* \* \* \*

**BACHELOR OF SCIENCE (ANAESTHESIA & OT TECHNOLOGY) (CBCS - 2020 COURSE)**

**B. Sc. (Anaesthesia & OT Technology) Sem - II :SUMMER- 2022  
SUBJECT : MICROBIOLOGY**

Day : Wednesday  
Date : 20-07-2022

**S-23397-2022**

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

**N.B.**

- 1) There are **THREE** sections as  
Section -A – Objective Type questions      10 marks  
Section -B – Long Answer questions      20 marks  
Section -C – Short Answer questions      10 marks
- 2) Section A is given **SEPARATE** sheet and has to be answered on same sheet.  
This sheet be completed within the **first 20 minutes** of starting of the examination. The sheet with section A only will be collected by Supervisor.
- 3) You have to make  $\surd$  such kind of mark in the box of the appropriate answers.
- 4) There is no negative marking.

Seat No. : \_\_\_\_\_

**SECTION - A**

- 1 All of the following are Gram positive organism EXCEPT  
 Escherichia coli  
 Staphylococci  
 Streptococci  
 C. diphtheriae
- 2 MacConkeys agar is  
 Differential medium  
 Enriched medium  
 Enrichment medium  
 Sugar medium
- 3 All of the following are dermatophytes EXCEPT  
 Trichophyton  
 Microsporum  
 Epidermophyton  
 Rhizopus
- 4 Common name for Ascaris lumbricoides is  
 Hookworm  
 Pinworm  
 Threadworm  
 Roundworm
- 5 During the window period of patient with HIV infection, best diagnostic test is  
 ELISA  
 Western blot  
 Rapid test  
 RT-PCR
- 6 L.J. medium is sterilized by  
 Autoclave  
 Hot air oven  
 Inspissation  
 Pasteurisation

**P.T.O.**

7 Concentration of Sodium hypochlorite used in blood spill management is

- 0.5%
- 1%
- 2%
- 10%

8 Vaccine given at birth is

- BCG
- Hepatitis A
- DPT
- MMR

9 Best sample for diagnosis of enteric fever in first week of infection is

- Urine
- Stool
- Blood
- CSF

10 Organ of locomotion in bacteria is

- Fimbriae
- Flagella
- Capsule
- Spore

Total Marks obtained : \_\_\_\_\_

Signature of Invigilator

Signature of Examiner

\* \* \* \* \*