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BACHELOR OF SCIENCE (LABORATORY SCIENCES) (CBCS - 2019 COURSE)
B.Sc. (Lab Sci) Sem-III : WINTER- 2022
SUBJECT : BACTERIOLOGY-I & IMMUNOLOGY

Day : Tuesday

Time : 10:00 AM-12:00 PM

Date : 17-01-2023

W-22558-2022

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 \surd such kind of mark in the box of appropriate answers.
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Seat No. : _____

SECTION – A

Q. 1 Which among following the organism is gram positive cocci?

- a) Staphylococcus
- b) E.coli
- c) Klebsiella
- d) Candida

Q. 2 Which among the following antigen antibody reactions?

- a) Oxidation
- b) Reduction
- c) Agglutination
- d) None of the above

Q. 3 Which among the following is antibody?

- a) IgM
- b) HbsAg
- c) NS-1
- d) CRP

Q. 4 Which among the following is Hypersensitivity reaction?

- a) Injury
- b) Anaphylaxis
- c) Fracture
- d) None of the above

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Q. 5 Which among the following organism cause Pneumonia infection?

- a) Bacillus
- b) Neisseria
- c) Pneumococci
- d) Clostridium

Q. 6 Which among the following culture media is used for anaerobes?

- a) L J media
- b) SDA
- c) RCM
- d) None of the above

Q. 7 Tetanus infection is caused by which organism?

- a) Staphylococci
- b) Streptococci
- c) E.coli
- d) Clostridium tetani

Q. 8 Which organism produces gas gangrene?

- a) Pneumococci
- b) Corynebacterium
- c) Clostridium perfringens
- d) Neisseria

Q. 9 Which among the following produces spore?

- a) Bacillus
- b) Pneumococcus
- c) Staphylococcus
- d) Streptococcus

Q. 10 Which among the following organism is gram negative cocci?

- a) Neisseria
- b) Staphylococcus
- c) Streptococcus
- d) Clostridium

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- 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) Answers to both the sections should be written in **SAME** answer book.

SECTION – B

Q. 1 Long Answer Question: (Attempt ANY TWO) (20)

- a) Write about all the antigen-antibody reactions in detail.
- b) What are different types of Hypersensitivity? Explain in detail.
- c) What are different methods of Anaerobiosis? Write down laboratory diagnosis of Clostridium tetani.
- d) Write down the infections caused by Corynebacterium diphtheria. How to diagnose those infections in lab?

SECTION – C

Q. 2 Short Answer Questions: (Attempt ANY FOUR) (20)

- a) Toxins produced by Staphylococcus and infections caused by Staphylococcus.
- b) Laboratory tests for identification of Hemophilus influenzae.
- c) Enumerate Autoimmune diseases and explain any 2 autoimmune disease in detail.
- d) Write down types of microscope and maintenance of microscope.
- e) Laboratory diagnosis of Neisseria gonorrhoea.
- f) Laboratory diagnosis of Brucella.

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