

B.Sc. Semester - 6 (CBCS) Examination
May/June-2021 (NEW COURSE)
Clinical and Diagnostic Microbiology (Core)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figure to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any three of the following questions.
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Q.1 (A) Objective type questions (04)

1. What is the importance of Hematopoiesis?
2. Define Plasma.
3. What is Rh system of blood grouping?
4. Write True/False: Hemostasis is important in the body because this stop us from bleeding and help to defend our body from infections.

Q.1 (B) Answer in brief (Any one out of two) (03)

1. Explain cross matching
2. Discuss storage of blood components.

Q.1 (C) Write a note on (Any one out of two) (07)

1. Describe human blood group systems.
2. Write an overview on blood transfusion.

Q.2 (A) Objective type questions (04)

1. What is antifibrinolysin?
2. What is use of complement fixation test?
3. Define Precipitin test.
4. Dick test used to determine susceptibility to _____

Q.2 (B) Answer in brief (Any one out of two) (03)

1. Explain Nuefeld Quellung reaction.
2. Describe Fluorescent antibody technique.

Q.2 (C) Write a note on (Any one out of two) (07)

1. Explain *In vitro* agglutination test.
2. Write an overview on Intracutaneous diagnostic test.

Q.3 (A) Objective type questions (04)

1. Write full form of RIA
2. What is use of intubation?
3. Define Serotyping
4. What is plasmid fingerprinting?

Q.3 (B) Answer in brief (Any one out of two) (03)

1. Explain Immunotherapy
2. Describe immunoelectrophoresis

Q.3 (C) Write a note on (Any one out of two) (07)

1. Describe in brief about rapid methods of identification of microbes from specimen
2. Explain ELISA

- Q.4 (A) Objective type questions (04)
1. What is prevalence rate?
 2. Define incubatory carrier
 3. Enlist the most important species of the genus *Vibrio*.
 4. *Treponema pallidum* causes _____
- Q.4 (B) Answer in brief (Any one out of two) (03)
1. Write a note on superficial mycoses
 2. Describe opportunistic fungi
- Q.4 (C) Write a note on (Any one out of two) (07)
1. Describe epidemiological markers of infectious diseases.
 2. Describe pathogenicity and control of Gram positive bacteria.
- Q.5 (A) Objective type questions (04)
1. What is definitive host?
 2. Chagas' disease caused by _____
 3. Write the full form of SARS
 4. What is Salk vaccine?
- Q.5 (B) Answer in brief (Any one out of two) (03)
1. Describe pathogenicity of *Entamoeba histolytica*
 2. Write a note on prevention of *Plasmodium spp.* Infection.
- Q.5 (C) Write a note on (Any one out of two) (07)
1. Highlight on pathogenicity and prevention of any two viruses
 2. Write an overview on vaccines conventional and modern approaches
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