

B.Sc. Semester - 6 (CBCS) Examination**March/April-2023 (OLD COURSE)****CLINICAL AND DIAGNOSTIC MICROBIOLOGY(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Q.1 (A) Objective type questions**(04)**

1. Write the function of antiplasmin.
2. Who discovered ABO blood group system in humans?
3. _____ is the most commonly used anticoagulant in the blood bank.
4. Define Whole blood.

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

1. Explain cross matching.
2. Explain principle of blood transfusion.

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

1. Write a note on Haemostasis.
2. Explain ABO blood group system.

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

1. What is the function of streptokinase?
2. Enlist any two tests for the evaluation of virulence.
3. Write the use of Tuberculin test.
4. What is the use of the widal test in clinical laboratory?

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

1. Explain bacterial agglutination.
2. Explain virus neutralizing antibodies.

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

1. Write a note on Precipitin test.
2. Give an overview of complement fixation test.

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

1. What is intubation?
2. Write the full form of ELISA.
3. Define specimen.
4. Enlist the names of fluorochromes.

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

1. Explain immunotherapy.
2. Explain Radioimmunoassay.

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

1. Describe two molecular methods for identification of microbes from specimens.
2. Discuss immunoelectrophoresis.

Q.4 (A) Objective type questions (04)

1. Write the name of the causative agent of syphilis.
2. Give two examples of opportunistic fungi.
3. What is superficial mycoses?
4. Define prevalence rate.

Q.4 (B) Answer in brief (Any one out of two) (03)

1. Explain epidemic and pandemic with its example.
2. Explain cutaneous mycoses.

Q.4 (C) Write a note on (Any one out of two) (07)

1. Write a note on various modes of pathogen transmission.
2. Describe pathogenicity of *Clostridium* spp.

Q.5 (A) Objective type questions (04)

1. What is definitive host?
2. Enlist any two characteristics of Hepatitis virus.
3. Write the name of causative agent of Chaga's disease.
4. How is the rabies virus transmitted to humans?

Q.5 (B) Answer in brief (Any one out of two) (03)

1. Explain: Amoebiasis.
2. What is Chikungunya?

Q.5 (C) Write a note on (Any one out of two) (07)

1. Highlight on the inactivated viral and bacterial vaccines.
2. Write a note on Malaria.
