

B.Sc. Semester - 6 (CBCS) Examination**March/April-2025 (NEW COURSE)****Clinical and Diagnostic Microbiology (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que-1(A)	Objective type questions	(04)
	1) Define: Hematopoiesis. 2) Examples of granulocytes. 3) Give one difference between plasma and serum. 4) Kupffer cells are found in liver (True/ False)	
Que-1(B)	Answer in Brief (any one out of two)	(03)
	1) Blood banking. 2) Rh system.	
Que-1(C)	Write a Note on (any one out of two)	(07)
	1) Discuss in detail on hemostasis. 2) Discuss about significance and procedure of blood transfusion.	
Que-2(A)	Objective type questions	(04)
	1) Mention one name of intracutaneous diagnostic test. 2) Give one example of fluorescent dye. 3) Full form of ASO. 4) Define: Immunogen.	
Que-2(B)	Answer in Brief (any one out of two)	(03)
	1) Antifibrinolysin. 2) Fluorescent antibody technique.	
Que-2(C)	Write a Note on (any one out of two)	(07)
	1) Write a detail account on two special serological tests. 2) Discuss any two agglutination tests.	
Que-3(A)	Objective type question	(04)
	1) Mention any one conventional technique. 2) Full form of ELISA. 3) Define: Immunotherapy. 4) Give one importance of western blot.	
Que-3(B)	Answer in Brief (any one out of two)	(03)
	1) Immunoelectrophoresis. 2) Methods of specimen collection.	

- Que-3(C) Write a Note on (any one out of two) (07)**
- 1) Give a detail account on RIA.
 - 2) Give a detail account identification of microbes by molecular methods.
- Que-4(A) Objective type questions (04)**
- 1) What is ghon complex
 - 2) Name the disease caused by *Streptococcus pyogenes*.
 - 3) Syphilis can cause by *Tinea pedis*. (True/False)
 - 4) Systemic mycoses is caused by *Streptococcus pyogenes*. (True/False)
- Que-4(B) Answer in Brief (any one out of two) (03)**
- 1) Write in brief about cholera.
 - 2) Enteric fever.
- Que-4(C) Write a Note on (any one out of two) (07)**
- 1) Give a detail account on Pathogenicity, diagnosis, treatment and prevention of systemic mycoses.
 - 2) Symptoms, mode of transmission, prophylaxis and control of the disease shigellosis.
- Que-5(A) Objective type questions (04)**
- 1) Mention the name of microorganism which can cause Japanese encephalitis.
 - 2) Mention the name of microorganism which can cause Amoebic dysentery.
 - 3) Rotavirus can cause Mumps. (True/False)
 - 4) Full form of MERS.
- Que-5(B) Answer in Brief (any one out of two) (03)**
- 1) Pathogenicity of *Plasmodium spp*.
 - 2) Etiological agent, Diagnosis and treatment of Leishmaniasis.
- Que-5(C) Write a Note on (any one out of two) (07)**
- 1) Conventional and Modern approaches of Vaccines.
 - 2) Discuss in detail: Influenza.
