



DCK-003-1016013

Seat No. _____

Third Year B. Sc. (Sem. VI) (CBCS) Examination

July - 2022

MB-603 : Clinical Diagnostic Microbiology

Faculty Code : 003

Subject Code : 1016013

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Objective type questions :
 - (1) What is Haematopoiesis?
 - (2) What is Hemostasis?
 - (3) Who discovered ABO blood group system?
 - (4) What are the blood components?
- (b) Answer in brief : (any one)
 - (1) Write significance of blood banking.
 - (2) Write principle of blood transfusion.
- (c) Answer in detail : (any one)
 - (1) Explain cross matching.
 - (2) Explain storage of blood components.
- (d) Write a note on : (any one)
 - (1) Write a note on human blood group system.
 - (2) Explain procedure and significance of blood transfusion.
- 2 (a) Objective type questions :
 - (1) What is agglutination?
 - (2) Define serology.
 - (3) What is Neufeld Quellung reaction?
 - (4) What is Precipitin test?

- (b) Answer in brief : (any one)
 - (1) Define passive agglutination.
 - (2) Name two fluorescent dye used in fluorescent antibody technique.
 - (c) Answer in detail : (any one)
 - (1) Explain fluorescent antibody technique.
 - (2) Explain haemagglutination and bacterial agglutination.
 - (d) Write a note on : (any one)
 - (1) Complement fixation test.
 - (2) Intracutaneous, diagnostic test.
- 3**
- (a) Objective type questions :
 - (1) Write full form of PCR.
 - (2) What is clinical specimen.
 - (3) Write application of ELISA.
 - (4) Write 2 Advanced diagnostic techniques?
 - (b) Answer in brief : (any one)
 - (1) Write application of immunotherapy.
 - (2) Enlist advanced diagnostic technique.
 - (c) Answer in detail : (any one)
 - (1) Explain Western blot technique.
 - (2) Explain immunohistochemistry.
 - (d) Write a note : (any one)
 - (1) Write a note on ELISA.
 - (2) Write a note on RIA.
- 4**
- (a) Objective type question :
 - (1) Define epidemiology.
 - (2) What is superficial mycoses?
 - (3) Give two example of opportunistic fungi.
 - (4) Write disease caused by corynebacterium.

- (b) Answer in brief : (any one)
 - (1) Enlist disease caused by salmonella.
 - (2) Enlist disease caused by mycobacterium.
 - (c) Answer in detail : (any one)
 - (1) Explain systemic mycoses.
 - (2) Explain pathogenicity and diagnosis of treponema.
 - (d) Write a note : (any one)
 - (1) Write a note on epidemiological markers and tools.
 - (2) Write a note on opportunistic fungi.
- 5**
- (a) Objective type question :
 - (1) What is Prophylaxis?
 - (2) What is Japanese encephalitis? ,
 - (3) Write disease caused by Plasmodium spp.
 - (4) Write fullform of AIDS.
 - (b) Answer in brief : (any one)
 - (1) Write symptoms of chikungunya.
 - (2) Write treatment for swine flu.
 - (c) Answer in detail : (any one)
 - (1) Explain AIDS with causes symptoms and treatment.
 - (2) Explain life cycle Entamoeba histolytica.
 - (d) Write a note on : (any one)
 - (1) Write a note on influenza.
 - (2) Write a note on vaccine with conventional and modern approaches.
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