

2022

BMLT

(B.Sc. Third Semester End Examination-2022)

PAPER-XVII

[Serology]

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group-A

- 1. Answer any five questions of the followings: 2x5 = 10**
- a. What is 'Streptolysin 'O'?
 - b. Why β hCG test is prefer in pregnancy test instead of whole hCG?
 - c. Write the principle of 'Sandwich ELISA'.
 - d. Write the sign and symptoms of enteric fever
 - e. Write the test required for diagnosis of typhoid
 - f. Write the utility of sodium fluoride and EDTA for blood collection.
 - g. How can you prevent rubella?
 - h. What is anti CCP?

(2)

Group-B

2. Answer any four questions of the following: 5x4 = 20

- a) Write a brief note about the diagnosis of HSV infection.
- b) Write about CFT for syphilis diagnosis.
- c) Write a short note about different process of urine collection for pathological laboratory.
- d) Write short notes on L.D bodies and ART for AIDS.
- e) i) Write the principle of mantoux test.
ii) What are OT and PPD that used for mantoux test?
- f) Discuss about primary and secondary antibody response.

Group -C

3. Answer any one question of the following: 10x1=10

- a) i) Write the principle of β hCG test in immuno chromatography.
ii) Write the ELISA process for the pregnancy test.
iii) Write the advantages and disadvantages of RDT for pregnancy. 2+5+3
- b) i) What is citrullination?
ii) Write a short note about mode of transmission and infection of HIV to the patient.
iii) Name the causing agent and their intermediate host which causes sleeping sickness and Chagas diseases.
