



CLINICAL PATHOLOGY AND SEROLOGY HSSC-II

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE:- Answer any thirteen parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 26)

Q. 2 Attempt any THIRTEEN parts. The answer to each part should not exceed 2 to 4 lines. (13 x 2 = 26)

- (i) State the functioning of Nephrons.
- (ii) Define Cranial nerves. Also write their function.
- (iii) Describe the method to collect blood sample for culture and sensitivity test.
- (iv) Differentiate between Neurons and Dendritis.
- (v) Describe the use of Glucose Tolerance Test.
- (vi) Define Immunoglobulin and explain their function.
- (vii) Describe bacteriolysin.
- (viii) Describe principle of colorimetric method for glucose estimation in CSF.
- (ix) Write briefly about Wassermann test.
- (x) Write down the safe use of syringes and needles being used to collect the lab specimen.
- (xi) Give brief account of the method to disinfect the lab wastes.
- (xii) Define Hemolysis. Write briefly the method to avoid Hemolysis in blood specimen.
- (xiii) Write down the procedure regarding the collection of CSF specimen.
- (xiv) Describe the usage of autoclaving in medical laboratory.
- (xv) How is infectious material transported from patient to laboratory?
- (xvi) Write down the principle of pregnancy test.
- (xvii) Describe briefly the complement fixation test.

SECTION – C (Marks 14)

Note:- Attempt any TWO questions. All questions carry equal marks.

(2 x 7 = 14)

- Q. 3 Describe the humoral immune response against viral infection. Also illustrate the steps involved in the reaction.
- Q. 4 Write down the procedure of WIDAL test. Describe the use of this test.
- Q. 5 Explain laboratory testing of CSF for three different diseases.