



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

BMLT

4th Semester Paramedical Examination 2021

CLINICAL PATHOLOGY

PAPER—X (Unit-19)

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Answer any *two* questions.

15×2

1. What is the difference between transudate and exudate? How will you prepare a urine specimen for microscopic examination? Write down the viscosity test of synovial fluid and mention its clinical significance.
5+5+5
2. Write down the tabular model of pathological changes in CSF in major clinical conditions. Write the significance of granular cast, fatty cast and oval fat body in urine with diagram. Write your comparative statement on sugar analysis in blood and urine sample.
5+5+5

3. Why CSF is not refrigerated? Which substance is responsible for the viscosity of synovial fluid? Mention the common causes of glycosuria? What are the different preservatives used in collection of urine? Why are ketone bodies found in severe uncontrolled diabetes mellitus? What are the causes of oliguria? 1+1+4+4+3+2

4. Describe the occult blood test in stool sample . Write it's clinical importance. What is mucin clot test? 8+3+4

Answer any *one* question. 10×1

5. Mention the significance of urinary crystals with diagram of different types of crystals. Write the names of common organisms causing UTI. Mention the different types of odours which are present in the urine in certain specific disease condition. What is Bence-Jone's protein? 5+2+2+1

6. How do you collect stool sample? What precaution you should take during the collection of stool sample suspected for ova, cysts and bacteriological pathogens? Write the urine collection method for infants and how do you collect urine samples for a subject unable to urinate. 2+2+6