



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

BMLT

4th Semester Paramedical Examination 2022

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 do you mean by random collection of urine? Write the procedure of 24 hour urine collection. How do you measure specific gravity of urine using urinometer? Discuss the precautions during this measurement. How do you collect urine from a patient of renal failure infant girls and boys? 2+3+3+3+4
2. Discuss about different casts with its clinical significance. Give diagrammatic presentation of cast. 15

3. What is Ryle's tube? Describe the method of analysis of total acidity in gastric juice. Classify the serous fluid along with their characteristic features. Discuss about the preservatives used in the preservation of 24 hr urine sample. 2+4+3+3+3
4. What is the clinical significance of protein in CSF? What is the reason behind achlorhydria? What are the probable cause of occult blood in stool? What is the clinical significance of acidic urine? Briefly state about stool colour chart for babies. 4+3+4+2+2

Answer any *one* question.

10×1

5. Discuss the procedure of collection and processing techniques of CSF. How do you interpret the results of a CSF from its physical and biochemical test features? 5+5
6. Discuss the procedure and precautions for stool sample collection for parasite identification. Write the clinical significance of testing serous fluid and gastric juice. 5+(2½+2½)