

Objective - This subject follows the basic subjects of Anatomy, Physiology and Biochemistry and it forms a vital link between preclinical subjects and clinical subjects. Pathology involves the study of causes and mechanisms of diseases.

- UNIT – 1** Urine Examination: urine analysis, routine examination of urine, chemical examination of urine, microscopic examination of urine, clinical significance, specimen collection, laboratory investigation.
- UNIT – 2** Stool examinations: gross examination, physical examination, determination of pH, chemical examination of feces, microscopic examination of stool specimen, clinical significance, specimen collection, and laboratory investigation.
- UNIT - 3** Sputum examinations: Indication collection, container, transport, preservation for different types of sputum analysis, physical, chemical and microscopic examination and its significance.
- UNIT – 4** Semen examination: semen analysis, routine examination of semen, quantitative determination of semen fructose, interpretative semen analysis, examination for the presence of sperms.

Recommended Books:

- Essential of clinical pathology, clinical pathology board review, Henry's clinical pathology, Quick compendium of clinical pathology, Harsh mohan]
- Essentials of Clinical Pathology 1st Edition (Kawthalkar K Shirish)