

PG CBCS
M.SC. Semester-IV Examination, 2021
MEDICAL LABORATORY TECHNOLOGY
 PAPER: MLT 402D
 (ADVANCE PATHOLOGY I)

Full Marks: 40

Time: 2 Hours

Answer any FOUR questions of the following:

10X4=40

1. Describe any two swab collection methods from throat. Write down the clinical condition of pus cell and carbon laden cells in sputum. 8+2
2. Why first morning midstream urine sample is given preference for urine analysis? How are ketone bodies determined from urine sample? Describe the test. 3+7
3. What type of precautions should be taken during semen sample storage and transportation? Mention the different grades of sperm motility. What do you mean by coagulation and reliquification of semen? What is oligospermia? 2+4+3+1
4. Write down the principle and procedure of Benzidine test for stool sample. Mention the clinical significance of acidic and alkaline stool. 3+4+3
5. State the functions of cerebro spinal fluid (CSF). What type of precautions should be taken at the time of CSF collection? Describe the different appearance with clinical condition of CSF.
6. Write the clinical significance of waxy and fatty acid casts in urine. Describe the test principle, procedure and interpretation method for bile salt determination in urine. 2+8
7. Write the merits and demerits of different preservatives for stool sample preservation. Describe any one concentration method for stool specimen. 5+5
8. Describe the collection, precaution and handling of stool sample. Describe the principle and interpretation method of sperm viability test. 5+3+2
