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**PG CBCS**

**M.SC. Semester-IV Examination, 2021**

**MEDICAL LABORATORY TECHNOLOGY**

PAPER: MLT 494D

PRACTICAL

**(ADVANCE PATHOLOGY LAB)**

**Full Marks: 50** **Time: 3 Hours**

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**Answer any <u>TWO</u> questions of the following:** **25X2=50**

1. Write the principle and procedure of Fouchet's test. Mention the Principle and procedure of Rothera's test. Write the procedure of osmotic fragility test of RBC. (3+5+2)+ (3+5) +7 =25
2. Write the principle and procedure of gram staining. Describe Rothera's test (principle and procedure). Describe Pandy's test for globulin determination in CSF. (3+5)+ (3+5)+9=25
3. Write down the principle and procedure of Eosine and Nigrosine staining. How do you measure the sperm motility-Describe it. State the principle and procedure of benzidine test for stool sample. (3+6)+6+(4+6)=25
4. Write down the principle, procedure and calculation of Benedict (quantitative) test. Mention the principle and procedure of Hay's sulphur test. Describe the zinc sulphate concentration method (procedure) for helminthic infection in stool specimen. (3+5+2)+(3+4)+8=25
5. Write the test for total sperm count. Describe the principle and procedure of Perls prossian blue staining. State the procedure of clot retraction test. 8+ (4+6)+7=25
6. Write the principle and procedure for the quantitative detection of seminal fructose. Describe two methods for determination of urinary proteins. Write the principle and procedure of Osazone test. (3+6)+ (4+4)+(3+5)=25

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