

DMLT/DMRT EXAMINATION BOARD, ODISHA

SECOND DMLT ANNUAL EXAMINATION 2020

QUESTIONS (PATHOLOGY; PAPER-I)

(IMMUNO-HEMATOLOGY, BLOOD BANKING & HEMATOLOGY)

FULL MARKS:100

TIME:3hrs

Answer all questions

1. Answer any two-

(15x2=30)

- a) How to prepare Leishman stain. Describe staining procedure of peripheral blood smear. Draw and label diagram of white blood cells in PS.
- b) Name different types of Anticoagulants. What is their mechanism of action, uses and disadvantages.
- c) What are the different types of tests in urine sample. Write any two chemical tests, principles and procedures.

2. Write short notes on any five-

(5x6=30)

- a) Complications of blood transfusion
- b) Cross-matching of blood, its procedure and interpretation
- c) Indications of Direct and Indirect Coomb's test. Write procedure of any one
- d) Name blood components, its preservation and uses.
- e) Selection of blood donors
- f) Transfusion transmitted diseases

3. Write briefly on any two-

(2x5=10)

- a) Seminal fluid examination
- b) Microscopic examination of urine
- c) Fouchet's test in urine

4. Fill in the blanks-

(1x10)

- a) Test for occult blood in stool is.....
- b) Chemical used for Sickling Test is.....
- c) Stain used for C.S.F. in cytology is.....
- d) Blood Bank anticoagulant is:.....
- e) Urinometer is used to measure.....
- f) Lumbar puncture is done for collection of.....
- g) Wintrobe's tube is used for.....
- h) Bone-marrow aspiration is done from.....
- i) RBCs in urine is known as.....
- j) Stain for Reticulocyte count is.....

5. Match the following-

(2x5=10)

- | | |
|---------------------------|------------------------------|
| a) Bence Jones Proteins | a) Proteinuria |
| b) Esbach's albuminometer | b) Acetone, acetoacetic acid |
| c) Hay's test | c) RIA |
| d) Microalbumin test | d) Bile salt |
| e) Ketone bodies | e) Multiple myeloma |

6. Write full forms of-

(2X5=10)

- ✓ a) ESR
- ✓ b) PCV
- c) G6PD
- d) EDTA
- e) TPC