GDINKA GDINKA

DMLT/DMRT EXAMINATION BOARD, ODISHA

SECOND D.M.L.T. Annual Exam Of 2021 QUESTIONS (PATHOLOGY, PAPER-I)

(IMMUNO-HAEMATOLOGY, BLOOD BANKING & CLINICAL HAEMATOLOGY)

Time- 3 Hours

FULL MARKS:100

Answer all questions

1. Answer any TWO:

(15x2=30)

- a. Enumerate the Romanowsky stains. Describe the composition of Leishman's stain. Write the staining procedure of peripheral blood smear. Describe the morphology of different WBCs in a Leishman-stained smear. [2+2+3+8=15]
- b. Describe the Blood donation in detail under the following headings: [i] Steps involved in voluntary blood donation, [ii] Criteria for Donor selection, [iii] Phlebotomy procedure, [iv] Donor reactions and [v] Donor unit processing. [2+5+3+2+3=15]
- c. What are the different types of sample collection methods for urine examination with their indications? Enumerate the different chemical tests performed in a sample of urine. Describe the principle and procedure of Heat and acetic acid test and Rothera's test. [2+7+6=15]

2. Write short notes on any FIVE:

(6x5=30)

- a. Laboratory anticoagulants.
- b. Antiglobulin tests principles and procedures.
- c. Specific gravity of urine.
- d. Donor selection.
- e. Blood components.
- f. Transfusion reactions

	a.	Wintrobe's tube
	b.	Benzidine test - principle and procedure.
	c.	Fresh frozen plasma [FFP].
4.	Fill in	the blanks: (1x10=10)
	a.	blood group is commonly known as the Universal recipient.
	b.	Anticoagulants used for blood banking are
	c.	Major cross-matching is done using of the recipient.
	d.	Tests done for demonstration of hemoglobinuria is recorded.
	e.	is the ideal method of hemoglobin estimation.
	f.	Example of supravital stain is Capoon Vione
	g.	Cryoprecipitate is rich in factor.
	h.	Two causes of eosinophilia are overgy & orothors.
	i.	formation].
	j.	Bone marrow aspiration is done usingSALAH needle.
5.	Match	the following: (2x5=10)
	a.	Lavender top tube
	b.	Blue top tube 2. ESR estimation
	c.	Red top tube 3. Coagulation study
	d.	Gray top tube 4. Hemogram
	e.	Black top tube 5. Blood glucose estimation
6.	Write	the full form of the following: (2x5=10)
	a.	RDW Red cen Distrabution Width
	b.	MCV Mean compuseuculary volume
	c.	MCH .
	d.	PCV Parener cey voiume
	e.	MCHC
		mean 11 convention.
		*** *** *** ***

(5x2=10)

3. Write briefly on any TWO: