PGDMLT-2008 A: PRACTICALS BASED ON PAPER PGDMLT-2004A

(Blood Banking and Histo-Cytological Techniques)

Semester: II	
Course (subject) Code	PGDMLT 2008 A
Subject Title	Practicals based on paper PGDMLT – 2004A (Blood Banking and Histo-Cytological Techniques)
Subject Outcome	At the end of the course, the students will get knowledge of • Learn about Blood Bank and Blood Banking techniques (Transfusion Medicine) • Determination of blood group, blood group antibody titer, Antiglobulin test and compatibility testing for blood transfusion • Tissue processing method, Microtomy and staining of tissue sections • Specimen collection, smear preparation and staining for cytological examination

Course Content:

1) ABO (Forward) and RH grouping by slide method
2) ABO (Forward) and RH grouping by Tube method
3) Reverse grouping
4) Direct Antiglobulin Test (DAT)
5) Indirect antiglobulin test (IAT)
6) Tests for Weak D testing by albumin and Indirect Antiglobulin technique
7) Anti A titer
8) Anti B titer
9) Cross matching by saline, albumin and IAT
10) FNAC Smear staining by PAP staining
11) H & E Staining Technique
12) Histological technique: (Demonstration)

Reference Books:

Sr. No.	Title/Edition	Authors	Publisher
1	Compendium of Transfusion Medicine, Practice of Safe Blood Transfusion	R. N. Makroo	Career Expert Publications
2	Technical Manual, 2014 (Online PDF)	Martha Rae Coombs et. al	American Association of Blood Banks
3	Essential of Blood Banking and Transfusion Medicine/2nd	Ganga S Pilli	CBS Publishers and Distributors PVT LTD
4	Transfusion Medicine Technical Manual (Online PDF)	Saran R. K	Directorate General of Health Service, Ministry of Health & Family Welfare
5	Textbook of MLT/ 3rd	Godkar P. B	Bhalani Publications.
6	Techniques of Histopathology and Cytopathology	Sadhana Vishwakarma	Jaypee Brothers
7	Textbook of Pathology/ 5th	Mohan H.	Jaypee Brothers Medical publishers