PGDMLT-1006: PRACTICALS BASED ON PAPER PGDMLT- 1002

(Immunology)

Semester: I	
Course (subject) Code	PGDMLT-1006
Subject Title	Practicals Based on Paper PGDMLT- 1002 (Immunology)
Subject Outcome	At the end of the course, the students will be able to perform • Various immunological tests like Widal, RA, CRP, ASO, RPR, HIV antibodies, HBsAg, HCV rapid test for diagnosis of diseases by detecting antigen or antibody •

Course Content

1) ICT/Dot immunoassay/ Flow through assay for HIV Ab
2) ICT/Dot immunoassay/ Flow through assay for HBsAg
3) ICT/Dot immunoassay/ Flow through assay for HCV Ab
4) Slide / Tube/ Strip / Cassette/ Dot immunoassay test for typhoid
5) Slide test/ Flow through /Spot/ Dot immunoassay for Syphilis
6) Latex test for Rheumatoid arthritis
7) Latex test for C-Reactive protein
8) Latex test for Anti Streptolysin O (ASO)
9) ELISA for detection of HIV Ab (Demonstration)
10) ELISA for detection of HBsAg (Demonstration)

Reference Books:

Sr. No.	Title/Edition	Authors	Publisher
1	Immunology/7th ed.	Owen,Judith A. ,PuntStanford,Sharon A.,Jones,Patricia P., Kuby	Macmillan Higher education Pub.
2	Text book of Medical Microiology/5th	R. Ananthnarayan C. K. Jayram Paniker	Orient Longman, Madras.
3	Immunology/2nd	P. Lydyard A. Whelan M. W. Fanger	BIOS Scientific Publishers Limited
4	Essential Immunology/6 th	I.M. Roitt	ELBS, London
5	A Hand book of Practical Immunology/1st	G.P. Talwar	Vikas Publishing House.
6	Medical Laboratory Technology/ 4th	Sood R.	Jaypee Brothers.
7	Textbook of Medical Laboratory Technology	P. B. Godkar, D.P. Godkar	Bhalani Pub.