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

(Parasitology)

Semester: II	
Course (subject) Code	PGDMLT-2008B
Subject Title	**Practicals based on paper PGDMLT-2004B**
Subject Outcome	At the end of the course, the students will get knowledge of • Collection of specimens for various protozoal and helminthic infestations. • Performing laboratory diagnosis for various protozoal and helminthic infestations. • Morphological Identification of various protozoa and helminths.

Course Content:

1) Microscopic examination of stool by:
   (a) Saline Preparation
   (b) Iodine Preparation
2) Identification of ova and cysts of stool parasites using concentration methods.
3) Identification of malarial parasites by rapid diagnostic tests.
4) Identification of various morphological forms of malarial parasites from stained slides/ permanent slides/photographs.
5) Special Technique for the collection of eggs of *Enterobius vermicularis* (Demonstration).
6) Identification of morphological forms of parasites in stool sample by sample/charts/permanent slides/ photographs.
   i) Entamoeba histolytica
   ii) Giardia lamblia
   iii) Trichuris trichiura
   iv) Schistosoma haematobium
   v) Taenia spp.
   vi) Enterobius vermicularis

Reference Books:

Sr. No.	Title/Edition	Authors	Publisher
1	Medical Parasitology/5th Edition	D.R. Arora and Brij Bala Arora	CBS Publishers and Distributors Pvt. Ltd.
2	Parasitology (Protozoology and Helminthology)/13th Edition	K.D. Chatterjee	CBS Publishers and Distributors Pvt. Ltd.
3	Textbook of Medical Parasitology/8th Edition	Sougata Ghosh	Jaypee
4	Short Text book of Medical Microbiology including Parasitology/ 10th Edition	Satish Gupte	Jaypee