PGDMLT-2004 B: PARASITOLOGY

Semester: II	
Course (subject) Code	**PGDMLT-2004B**
Subject Title	**Parasitology**
Course Type	Core Compulsory
Teaching Time	15×4=60 Hours
Subject Outcome	At the end of the course, the students will get knowledge of • Introduction to Protozoology • Morphology, life-cycle and laboratory diagnosis caused by protozoa. • Specimens required for various protozoal infestations. • General characteristics of helminths, their morphology, life-cycle and laboratory diagnosis. • Specimens required for various helminthic infections.

Course Content:

Unit No.	Content	Teaching Hours
Unit-1	**Protozoology: I: Morphology, life-cycle and laboratory diagnosis**	**15 Hr.**
1.1	Definition and general morphology of Protozoa	
1.2	Amoeba: *Entamoeba histolytica*	
1.3	Intestinal Flagellates: *Giardia lamblia*	
1.4	Genital Flagellates: *Trichomonas vaginalis*	
Unit-2	**Blood Protozoa: II: Morphology, life-cycle and laboratory diagnosis**	**15 Hr.**
2.1	*Leishmania donovani*	
2.2	*Plasmodium vivax*	
2.3	*Plasmodium falciparum*	
2.4	*Toxoplasma gondii*	
Unit-3	**Helminthology: I: Morphology, life-cycle and laboratory diagnosis of**	**15 Hr.**
3.1	General characteristics of helminths (Cestodes, Trematodes and Nematodes)	
3.2	*Taenia saginata and Taenia solium*	
3.3	*Echinococcus granulosus and Hymenolepis nana*	
3.4	*Schistosoma haematobium*	
Unit-4	**Helminthology: II: Morphology, life-cycle and laboratory diagnosis of**	**15 Hr.**
4.1	*Trichuris trichiura*	
4.2	*Enterobius vermicularis*	
4.3	*Ascaris lumbricoides*	
4.4	*Wuchereria bancrofti*	

Reference Books:

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