CORE VII

MEDICAL MYCOLOGY AND PARASITOLOGY

Semester	Subject	Categor	Lecture		Theory		Practical		Credi
	code	у	Tota 1 hrs	Hrs/ wee k	Tota 1 hrs	Hrs / wee k	Tot al hrs	Hrs/ wee k	t
V		Core	60	4	60	4	0	0	4

COURSE OBJECTIVES

To enable the students to understand the fungi and parasite that cause infections to human beings and how it diagnosed and its preventive measures.

COURSE OUTCOMES

On the successful completion of the course, students will be able to understand the disease caused by fungi and parasite and its mode of transmission, diagnosis and prevention.

CO Number	CO Statement	Knowledge Level K1 – K4)
CO1	To understand the taxonomic of fungi, diagnosis	K2
	of infections, antifungal agents	
CO2	To understand how the different types of fungi that cause different type of skin infections and its diagnosis	K2
CO3	To understand the diseases caused by systemic mycosis and its allergic reaction.	K2
CO4	To understand the classification of parasites and the protozoan diseases	K2
CO5	To understand the diseases that was caused by the metazoan parasites.	K2

MAPPING WITH PROGRAMME OUTCOMES

cos	PO1	PO2	PO3	PO4	PO5	P06
CO1	S	S	L	M	S	M
CO2	S	M	L	M	S	S
CO3	S	M	M	M	S	S
CO4	S	S	M	M	S	S
CO5	S	M	M	M	S	S

S- Strong; M- Medium; L- Low

Unit-I: Introduction to Mycology

12 hrs

General Introduction: Morphology and Taxonomy of fungi of medical importance. Detection and recovery of Fungi from clinical specimens - Immunity to fungal infections - Antifungal agents - sensitivity tests - Mycotoxins.

Unit-II: Superficial, cutaneous and subcutaneous mycosis 12 hrs

Superficial mycosis: Tenia, Piedra, Cutaneous mycosis: Sporotrichosis. Mycetoma.

Unit-III: Systemic and opportunistic mycosis

12 hrs

Systemic mycosis: Coccidiosis, Histoplasmosis, opportunistic mycosis: Candidiosis, Aspergillosis. Allergic fungal diseases: Bronchial asthma, Maple Bark Stripper's disease

Unit-IV: Protozoan diseases

12 hrs

General properties, Classification, Morphology, Pathogenesis, Lab diagnosis of common Protozoan diseases – Amoebiasis, Giardiasis, Leishmaniasis, Trypanosomiasis, Balantidiosis.

Unit-V: Parasitic metazoan diseases

12 hrs

Classification, Morphology, Pathogenicity, Lab diagnosis of common parasitic metazoan diseases - Ascariasis, Filariasis, Hydatididosis, Taenia, Fasciola infection.

DISTRIBUTION OF MARKS: Theory - 100% and Problems - Nil

TEACHING METHODOLOGY:

- ***** Lectures
- Power point presentation
- **Charts**
- ❖ Models
- ❖ Group discussion
- **❖** Group assignments

TEXT BOOKS:

S.No	Authors	Title	Publishers	Year Of Publicati
				on
	Karyakarte RP	Medical	Books and Allied Pvt	2012
	and AS Damle	Parasitology	Ltd	
1.		Revised edition		
	Alexopoulos	Introduction to	Wiley Eastern Ltd.	2007
2.	C.J and C.W.	Mycology		
	Mims			

REFERENCE BOOKS:

S.No	Authors	Title	Publishers	Year Of
				Publication
1.	Subhash	Textbook of	All India Publishers and	2013
	Chandra	Medical	Distributors, India.	
	Parija.	Parasitology		
2.	Mehrotra RS	An Introduction	New age International Pvt	2015
	and Aneja KR to Mycology		Ltd.	

3.	Easwari	Handbook On	Kalpana printing house,	1974
	Nayar	Medical	LHI	
		Entomology		
4.	W.R.Arora	Medical	CBS Publishers &	2015
		Parasitology	Distributers. New Delhi.	
5.	Jagdish	Textbook of	Jaypee Brothers Medical	2017
	Chander	Medical	Publishers, India	
		Mycology		

WEB REFERENCE

http://pathmicro.med.sc.edu/book/mycol.sta.htm.

http://www.mycology adelaide.edu.au/fungal jungle/master class.html.

http://classes.plant.path.Wsu.edu/plp521/

http:/www.k-state.edu/book/parasit-sta.htm.

http://www.dpd.cdc.gov/dpdx/.

http://www.who.int/tdr/media/default.html

SYLLABUS DESIGNER:

- 1. Ms. R.Sangeetha Assistant Professor
- 2. Dr. A.Vidhya HOD &Assistant Professor