



Maharaja Ganga Singh University

Department of Microbiology

NH 15, Jaisalmer Road, Bikaner-334004 (Rajasthan) INDIA

E-mail: mgsubikaner@gmail.com

Name of the Teacher: **Dr. Gautam Kumar Meghwanshi**

Topics to be taught in the coming week: **26-10-15 to 31-10-15**

M.Sc. Microbiology

Day	10.00-11.00 AM	11.00-12.00 AM	12.00-1.00 PM	1.00-2.00 PM	2.00-3.00 PM
Mon 26-10-15	CL				
Tue 27-10-15	MB-302: (Sem-III) Biofertilizers: Phosphate solubilizing microorganisms- type, their production and application as biofertilizers.	-	Sem-III Practical: Mass production of amylase producing bacteria (continued)		
Wed 28-10-15	-	MB-302: (Sem-III) Biofertilizers: Cellulolytic microorganisms- their types, production and application as biofertilizers.	-	-	MB-102 (Sem-I) Autotrophic generation of ATP and Fixation of CO ₂ in Microorganism, Calvin cycle.
Thu 29-10-15	-	MB-302: (Sem-III) Mycorrhizae (VAM)- Importance for plants, types and applications	-	MB-102 (Sem-I) Aerobic and anaerobic photosynthesis.	-
Fri 30-10-15	Sem-I Practical: Determination of standard curve for p-nitrophenol.			-	MB-102 (Sem-I) Microbial Oxidation of Inorganic Molecules: sulphur and its different forms
Sat 31-10-15	Sem-I Practical: Determination of standard curve of penicillin.			-	MB-102 (Sem-I) Microbial Oxidation of Inorganic Molecules: Iron and its different forms



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Name of the Teacher: Dr. Dharmesh Harwani

Topics to be taught from 26-10-15 to 31-10-15

M.Sc. Microbiology (First Semester)

(General Microbiology and Bacteriology and Genetic Engineering, Two papers)

DAY	10.00-11.00AM	11.00-12.00PM	12.00-1.00PM	1.00-2.00PM	2.00-3.00PM
Monday 26.10.2015	Amplification of internal sequence of 16SrDNA using universal primers from Gram positive bacteria				Autotrophs Heterotrophs Phototrophs Chemotrophs
Tuesday 27.10.2015	Agarose Gel Preparation and DNA Run				Chemostat Trurbidostat
Friday 30.10.2015					Mapping and Shift Assay
Saturday 31.10.2015					Phylogenetic analysis of bacteria

M.Sc. Microbiology (Third Semester) (Medical Microbiology)

DAY	10.00-11.00AM	11.00-12.00PM	12.00-1.00PM	1.00-2.00PM	2.00-3.00PM
Wednesday 28.10.2015	Infection and invasion of Pathogens				
Thursday 29.10.2015	Secretary proteins and pathways				
Friday 30.10.2015	SARS (Respiratory)		Amplification of specific gene by PCR-I		
Saturday 31.10.2015	Swine flu		Amplification of specific gene by PCR-II		

Topics to be taught during 26-10-2015 to 31-10-2015

Dr. Abhishek Vashishtha

M.Sc. IIIrd semester Microbiology

S.No.	Date	Topics to be taught (Theory)	Topics to be taught (Practical's)
1	26-10-2015	Hypersensitivity	



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2	27-10-2015	Hypersensitivity	
3	30/10/2015	Hypersensitivity	Carbon content in given soil sample
4	31/10/2015	Water ecosystem; water potability	RBC counting

M.Sc. Ist semester Microbiology

S.No.	Date	Topics taught (Theory)	Topics taught (Practical's)
1	26-10-2015	Anti-termination (continue)	
2	27-10-2015	Regulation by cAMP	
3	28-10-2015	Regulation by PPGPP	Estimation of RNA
4	29-10-2015	Alternate sigma factors	Buffer preparation