

Smt Sindhutai Jadhao Arts and Science Mahavidyalaya, Mehkar

B.Sc.III SEMESTAR V

MICRO BIOLOGY

Topic	Link for Material
UNIT I	
Microbial Associations	https://www.youtube.com/watch?v=x-k5Wi5UhjQ
Atmosphere and its Layers	https://www.youtube.com/watch?v=KXf39bQH6iE
Types of Microbes in Air	https://www.youtube.com/watch?v=Y7sndNSzR2o
Techniques for Microbiological Analysis	https://www.youtube.com/watch?v=mnijw-nAbVE
Airborne Diseses	https://www.youtube.com/watch?v=i3Ycw6j6E1g
Control of Microorganisms in Air	https://www.youtube.com/watch?v=XmOmQYJf930
Unit II	
Microbes in Soil	https://www.youtube.com/watch?v=4mudw358Uml
Rhizospere	https://www.youtube.com/watch?v=tvA7CWSIbTc
Decoposition of Plant and Animal Residues	https://www.youtube.com/watch?v=BA3abgtm6ZY
Humus and Compost	https://www.youtube.com/watch?v=PNtAUJdsekE
Biological Nitrogen Fixation	https://www.youtube.com/watch?v=E-1GI8VIqWQ
Carbon Cycle	https://www.youtube.com/watch?v=o4e4Vmi1KWY
Nitrogen Cycle	https://www.youtube.com/watch?v=VtoZtYWqByo
Sulphur Cycle	https://www.youtube.com/watch?v=o13H04TKQHM
Phosphorus Cycle	https://www.youtube.com/watch?v=IF4RnwVAecg
Biofertilizers	https://www.youtube.com/watch?v=358e_Pli34Y
Biological Pest Control	https://www.youtube.com/watch?v=5d0F0f_xC8Q
UNIT III	
Plantons Classification	https://www.youtube.com/watch?v=ZmfgHRNw7f4
Account on Plankton	https://www.youtube.com/watch?v=fS422O4SLc4
Contol of Planktons	https://www.youtube.com/watch?v=-WkSbPzx_Nk
Eutophication and its Control	https://www.youtube.com/watch?v=Rnnr8JIp1xU
UNIT IV	
Significance of Bacterial Analysis of Water	https://www.youtube.com/watch?v=4f_8XqKTwXI
Collection of Samples	https://www.youtube.com/watch?v=t13XnjQhPlc
Indicators of Excretal Pollution	https://www.youtube.com/watch?v=DUXIWKGCKyU

Multiple Dilution Technique	https://www.youtube.com/watch?v=MCrNjHcfcpY
MPN	https://www.youtube.com/watch?v=csi82oWy7hM
IMViC Classification of Coliform	https://www.youtube.com/watch?v=87-CrTj-qEA
Membrane Filter Technique	https://www.youtube.com/watch?v=GvL_Qvsr3z4
ICMR and WHO Bacteriological Standards	https://www.youtube.com/watch?v=RJ0FpUVraPs
UNIT V	
Self Purification of Water	https://www.youtube.com/watch?v=a0deHu-wd7k
Treatment of Water	https://www.youtube.com/watch?v=eH38OrP0CPA
Slow Sand Filters	https://www.youtube.com/watch?v=fBKlXDx6txo
Rapid Sand Filters	https://www.youtube.com/watch?v=61GlQbwLIY8
Methods of Chlorination	https://www.youtube.com/watch?v=sDsKiwRuXjo
Composition of Sewage	https://www.youtube.com/watch?v=rAhWPTF6gw4
Municipal Sewage Treatment Plant	https://www.youtube.com/watch?v=s8IVjQg7yno
Seiving and Grit Chamber	https://www.youtube.com/watch?v=s3sLC00ZhR0
Primary Treatment (Sedimentation)	https://www.youtube.com/watch?v=uME-5LP4KJo
Trickling Filter	https://www.youtube.com/watch?v=zPOxSRCqL4
Activated Sludge Process	https://www.youtube.com/watch?v=ciPFC3Y2rkg
Oxidation Ponds	https://www.youtube.com/watch?v=HqJ4GCWqJlI
Anaerobic Sludge Digestion	https://www.youtube.com/watch?v=MKbsbvGjdLA
Septic Tank	https://www.youtube.com/watch?v=WCLBwnz5JOM
Imhoff Tank	https://www.youtube.com/watch?v=WkowfZoek1A
COD and BOD	https://www.youtube.com/watch?v=RfnXp9upTcE
Biogas	https://www.youtube.com/watch?v=MYj13FB_Iac
UNIT VI	
Spectroscopy	https://www.youtube.com/watch?v=7jOSbtR8mTs
Electrophoresis	https://www.youtube.com/watch?v=bYwq5oNZmq4
Chromatography	https://www.youtube.com/watch?v=zfueRm4Q0dU
Isotopic Tracer Techniques	https://www.youtube.com/watch?v=Kr9EV_mscHA