

Smt Sindhutai Jadhao Arts and Science Mahavidyalaya, Mehkar
B.Sc. I SEMESTAR I
BOTANY

Topic	Link for Material
Unit 1 Plant diversity	
Cyanobacteria and its impact on origin of Life	https://youtu.be/11zSoX2ew04
Introduction to Plant Kingdom- Cryptogams	https://youtu.be/MNdmK8VkbAE
Diversity of Plants with respect to Habitat, forms nutrition and ecological Status	https://youtu.be/SohFWbcbMoM
General Account of Viruses	https://youtu.be/SAbYEEys-_ak
Structure of TMV	https://youtu.be/4tmXDLe1CI
Structure of HIV	https://youtu.be/Vk8ppgD3vJ4
Bacteria Structure,	https://youtu.be/SOUebC1kVBA
Bacteria Nutrition	https://youtu.be/J1GMsLL0kiA
Bacteria reproduction	https://youtu.be/MI43F4QyYfE
Role of Microbes in Agriculture	https://youtu.be/jzW_VrbTQTs
Role of Microbes in Medicine	https://youtu.be/CIYWORsLGjU
Role of Microbes in Industries	https://youtu.be/MwzqGYyNG78
Unit 2 Algae	
Classification according to F.E.fritsh and G M Smith up to classes -1	https://youtu.be/ZGGkqN2lwUs
Classification according to F.E.fritsh and G M Smith up to classes -2	https://youtu.be/cP8PbxZ5W4s
General Characteristics of Algae wrt habitat, thalas organisation, pigmentation reserve food and reproduction-1	https://youtu.be/NtAwN3DOYOw
General Characteristics of Algae wrt habitat, thalas organisation, pigmentation reserve food and reproduction-2	https://youtu.be/MtiA7pl2h34
General Characteristics of Clorophyta- Oedogonium	https://youtu.be/LZyJbiNqRb0
General Characteristics of charophyta - chara	https://youtu.be/2f5NBOH4x6E
General Characteristics of phaeophyta- sargassum	https://youtu.be/EoozMiuK9c
General Characteristics of rhodophyta- batrachospermum	https://youtu.be/DMN2WsO4zjo
Unit 3 Fungi	
Classification According to Ainsworth 1973	https://youtu.be/A85Rk2ANm6U
General Characteristics of Mastigomycotina	https://youtu.be/0c_-cJIUK8o
General Characteristics of Ascomycotina	https://youtu.be/At-yWkY5DMQ
General Characteristics of Basidiomycotina	https://youtu.be/IYgiWUDGJqo
General Characteristics of Deuteromycotina	https://youtu.be/fpQuNHw793k

Lichen- Types and economical importance	https://youtu.be/kqceWL9Jskg
Unit 4 Bryophyte	
Classification According to G M Smith	https://youtu.be/DPAUKaX2wo0
General Characteristics , Thalass Organisation and Life cycle Hepatopsisida- Marchantia	https://youtu.be/86APrq3i-TI
General Characteristics , Thalass Organisation and Life cycle Bryopsisida- Funaria	https://youtu.be/q1V1Yumpsg4
Evolution of Sporophyte in Bryophytes	https://youtu.be/QlIsydLmRf0
Affinities of Bryophytes with Algae and pteridophytes	https://youtu.be/g5_f92UelPI
Brief Account on some indian bryologist	https://youtu.be/AT2BWOM6ceM
Unit 5 pteridophytes	
pteridophytes as first vascular plant	https://youtu.be/Yj4hKjG6Eu0
Classification of Pteridophytes (G.M.Smith)	https://youtu.be/0oVWDJ5OP68
general characteristics of sphenopsida- equisetum	https://youtu.be/IV4Sx2EAg58
general characteristics of filicopsida - marsilea	https://youtu.be/BC6N-Hsdf7o
Stele types in pteridophytes	https://youtu.be/TWFIuCi1bxU
Heterospory and seed habit in pteridophytes	https://youtu.be/WZsRJw1Aoo
Unit 6 Application of Microbes and Cryptogams	
Economical Importance of Algae - Food, Industry, Agri and Harmful aspects	https://youtu.be/_rTVGYVqWHA
Mycorrhiza- Types and Application	https://youtu.be/7Kh1vPw3dZg
Role of Fungi in Industry, Medicine, Food and Agriculture	As in Unit-1
Plant Disease - TMV	https://youtu.be/PDfgxwpyPDg
Plant Disease - Bacterial Arm of Cotton	https://youtu.be/t8flwZFI3bY
Plant Disease - Tikka disease of Groundnut	https://youtu.be/AYNQUSCXVec
Economical and Ecological Importance of Bryophytes	https://youtu.be/YFF5zuMUNQM