

Shikshan Prasarak Mandal's
GOPAL KRISHNA GOKHALE COLLEGE, KOLHAPUR
DEPARTMENT OF BOTANY
(2020-2021)

REPORT OF E-CONTENT

Name of Faculty: Dr. R. T. Patil

B.Sc. I: Semester I: Botany Paper I: Biodiversity of Microbes, Algae and Fungi		
Sr. No.	Name of Topic	Link
1.	World Ozone Day 2020 (16 Sept. 2020) Guest Lecture	https://youtu.be/37iet1VreIY
2.	Paper I: Semester I: Syllabus	https://youtu.be/Ofx2EjZ2IaI
3.	Viruses Discovery and General Characters.	https://youtu.be/tdoZc2klGw0
4.	Structure of Viruses	https://youtu.be/UpdxHcXVXQI
5.	Classification & Types of Viruses	https://youtu.be/ewKRpT12Gxk
6.	RNA Virus Tobacco Mosaic Virus (TMV)	https://youtu.be/qObqG73U9Fw
7.	Economic Importance of Viruses	https://youtu.be/DwG2Ci8s3U4
8.	World Wetlands Day 2021 (2 nd Feb 2021): Guest Lecture	https://youtu.be/3Sud88IYilc
9.	Instruction For First Year Online Exam Oct/Nov 2020	https://youtu.be/EzXwclSEud4

B.Sc. I: Semester II: Botany Paper III: Plant Ecology

10.	Introduction of Syllabus Botany Paper III: Plant Ecology	https://youtu.be/MtybgNFIfMU
11.	Introduction & Definition of Ecology	https://youtu.be/erqwhgCGIdA
12.	Scope of Ecology	https://youtu.be/6j38fFm1wyo
13.	Concept of Optimum & Limiting factors & Nature of Light	https://youtu.be/vx6hDACUIks
14.	Practical 1: Study of forms of bacteria	https://youtu.be/kh7Yko6up_U
15.	Practical No.2: Nostoc	https://youtu.be/eGs10WB8Qyw
16.	Light as an ecological factor	https://youtu.be/LL_Y9i1MITw
17.	Practical No.3: Study of Penicillium	Pdf File
18.	Temperature as an ecological factor	https://youtu.be/LOAc01737Ic
19.		

B.Sc. II: Semester III: Botany Paper V: Embryology of Angiosperms

1.	Structure of Typical Flower	https://youtu.be/kWHmiVYhyJc
2.	Flower as a modified shoot	https://youtu.be/u3aMpQnOfS8
3.	Structure of Typical Androecium	https://youtu.be/X4mUahbyzPY
4.	Structure of Typical Gynoecium & Ovule	https://youtu.be/wZkfO6UX3eo
5.	Types of ovules	https://youtu.be/yfkhFW8uD9c
6.	Unit Test No 1.: Organization of Flower: Date: 31/08/2020	https://forms.gle/bHXr16KY2unftMRYA
7.	Guest Lecture: World Ozone Day 2020: Date: 16/09/2020	https://youtu.be/37iet1VreLY
8.	National Wildlife Week-2020 – Online Quiz: Date: 7/10/2020	https://forms.gle/9E97sCYc1ziAnUj37

9.	Definition & Types of Pollination	https://youtu.be/H43fmVCk3UU https://youtu.be/d1hagQot140
10.	Pollination mechanism in Anemophily-Zea Mays	https://youtu.be/o47_YEX2TKw
11.	Pollination mechanism-Entomophily in Calotropis.	https://youtu.be/3VLzEwYXb-M
12.	Pollination mechanism – Hydrophily in Vallisneria	https://youtu.be/Pd_tPuTSsdg
13.	Development of Anther & Microsporogenesis: Microsporogenesis	https://youtu.be/2hihOO6TZIE
14.	Pollen germination & Male gametophyte: Microgametogenesis.	https://youtu.be/KD4maRfOK-Q
15.	Megasporogenesis & Female gametophyte	https://youtu.be/KII4MO4zUCo
16.	Structure of embryo sac	https://youtu.be/8wGTDVg7IIg
17.	World Wetlands Day 2021: Guest Lecture on 2/02/2021	https://youtu.be/3Sud88IYiIc
18.		
B.Sc. II: Semester IV: Botany Paper VII: Plant Anatomy		
1.	Introduction of Syllabus: Botany Paper VII: Plant Anatomy	https://youtu.be/Wnu5WpCC3iw
2.	Organization of higher plant body: The Plant organs	https://youtu.be/Lrl4Mcvmt3M
3.	Guest Lecture Organized: Dr. Baban Ingole: Restoration of Lake Ecosystem: Date: 5/06/2021	https://us04web.zoom.us/j/7436098733?pwd=Qitzcmx4VnNWNmExZlFhMzYySHZlZz09
3.	Internal organization of Plant body	https://youtu.be/8yjQYtkTy4g

4.	Practical No. 1 & 2: 1. Study of young & Mature Anther 2. Study of Germination of pollen grain	https://youtu.be/4YccLiBWFFE https://youtube.com/playlist?list=PLX1S5OHsEuqAONnaIBkFdIANcNa97zLQN
5.	Meristem & Its Classification	https://youtu.be/6owAkcKZ7Kw
	Practical 4. Types of Ovules	Pdf file
	Practical No.3: Detection of pollen fertility by staining technique	https://youtu.be/USG7u_o1cOO
	Guest Lecture – Naral- Kalpavriksha: Dr. P. D. Awate	https://youtu.be/djAewpexInI
6.		