

**Shri Shivaji Science College, Amravati**  
**E – Contents for Under Graduate Students**  
**Department of Botany**

**B. Sc. Part – I (Semester – I)**

**Google Classrooms**

S.N.	Name of the Teacher	Joining Link	Class Code
1	Rekha C. Maggirwar	<a href="https://classroom.google.com/c/MTc0NzQzNjE3NDYy?cjc=7ep2lbr">https://classroom.google.com/c/MTc0NzQzNjE3NDYy?cjc=7ep2lbr</a>	7ep2lbr
2	Rekha C. Maggirwar	<a href="https://classroom.google.com/c/MTc0NzQzNjE3NDk2?cjc=7bpsepc">https://classroom.google.com/c/MTc0NzQzNjE3NDk2?cjc=7bpsepc</a>	7bpsepc
3	Rekha C. Maggirwar	<a href="https://classroom.google.com/c/MTc0NzQzNjE3NTMw?cjc=ouk6i4u">https://classroom.google.com/c/MTc0NzQzNjE3NTMw?cjc=ouk6i4u</a>	ouk6i4u
4	Dr. Swati V. Pundkar	<a href="https://classroom.google.com/u/0/c/MjU5OTA2NzAxMTAx">https://classroom.google.com/u/0/c/MjU5OTA2NzAxMTAx</a>	rfyp7cm
5	Avinash N. Darsimbe	<a href="https://classroom.google.com/c/MjQ1Njg1MDUzNzk0?cjc=lbdxpxb">https://classroom.google.com/c/MjQ1Njg1MDUzNzk0?cjc=lbdxpxb</a>	lbdxpxb
6	Dr. Prashant D Deshmukh	<a href="https://classroom.google.com/c/Mzk5NzM5NzAzMjc3?cjc=h5e3nr4">https://classroom.google.com/c/Mzk5NzM5NzAzMjc3?cjc=h5e3nr4</a> <a href="https://classroom.google.com/c/Mzk3NTU4Nzk0NTIy?cjc=mcmgm7">https://classroom.google.com/c/Mzk3NTU4Nzk0NTIy?cjc=mcmgm7</a>	h5e3nr4 mcmgm7

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Plant Kingdom	<a href="https://drive.google.com/file/d/1jgHhXMdGPIOrOCWlrEckHFkavUA69MuF/view?usp=sharing">https://drive.google.com/file/d/1jgHhXMdGPIOrOCWlrEckHFkavUA69MuF/view?usp=sharing</a>	G.B.HEDAWOO			
Thallus organisation in Algae	<a href="https://drive.google.com/file/d/13e7h-DAoJ7ggsyoB2tYFZjz-6gR_sx0r/view?usp=sharing">https://drive.google.com/file/d/13e7h-DAoJ7ggsyoB2tYFZjz-6gR_sx0r/view?usp=sharing</a>	G.B.HEDAWOO			
Reproduction in Algae	<a href="https://drive.google.com/file/d/1B6_vj15GkSsHHnz1X1IEjMJrY8L5m2py/view?usp=sharing">https://drive.google.com/file/d/1B6_vj15GkSsHHnz1X1IEjMJrY8L5m2py/view?usp=sharing</a>	G.B.HEDAWOO			

Life Cycle of Oedogonium	<a href="https://drive.google.com/file/d/16DlKNC6KjChKdQloJPbK9vgtSuaS5pgH/view?usp=sharing">https://drive.google.com/file/d/16DlKNC6KjChKdQloJPbK9vgtSuaS5pgH/view?usp=sharing</a>	G.B.HEDAWOO			
Life Cycle of	<a href="https://drive.google.com/file/d/1OCUIBOdpdoLojmz7vU8RjCj0ZkL7pPJ/view?usp=sharing">https://drive.google.com/file/d/1OCUIBOdpdoLojmz7vU8RjCj0ZkL7pPJ/view?usp=sharing</a>	G.B.HEDAWOO			
Diversity of Plants	<a href="https://www.slideshare.net/DrSwatiPundkar/diversity-of-plants-242830417">https://www.slideshare.net/DrSwatiPundkar/diversity-of-plants-242830417</a>	Dr. S. V. Pundker			
General account of Virus	<a href="https://www.slideshare.net/DrSwatiPundkar/general-account-of-virus">https://www.slideshare.net/DrSwatiPundkar/general-account-of-virus</a>	Dr. S. V. Pundker			
HIV	<a href="https://www.slideshare.net/DrSwatiPundkar/hiv-242832380">https://www.slideshare.net/DrSwatiPundkar/hiv-242832380</a>	Dr. S.V. Pundker			
Cyanobacteria structure PDF notes	<a href="https://drive.google.com/file/d/1Qs4XjDaT62Ruo2k1Pt0GXvIIsDSjl8YU/view?usp=sharing">https://drive.google.com/file/d/1Qs4XjDaT62Ruo2k1Pt0GXvIIsDSjl8YU/view?usp=sharing</a>	Dr. S. V. Pundker			

Notes and Power Points			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	T
Algae as a Food	<a href="https://www.slideshare.net/AvinashDarsimbe1/algae-as-a-food?qid=041b5926-438d-47b8-98b5-ab3fa7491af9&amp;v=&amp;b=&amp;from_search=4">https://www.slideshare.net/AvinashDarsimbe1/algae-as-a-food?qid=041b5926-438d-47b8-98b5-ab3fa7491af9&amp;v=&amp;b=&amp;from_search=4</a>	Avinash N. Darsimbe			
Harmful aspects of Algae	<a href="https://www.slideshare.net/AvinashDarsimbe1/harmful-aspects-of-algae?qid=041b5926-438d-47b8-98b5-ab3fa7491af9&amp;v=&amp;b=&amp;from_search=6">https://www.slideshare.net/AvinashDarsimbe1/harmful-aspects-of-algae?qid=041b5926-438d-47b8-98b5-ab3fa7491af9&amp;v=&amp;b=&amp;from_search=6</a>	Avinash N. Darsimbe			
Viral diseases tobacco mosaic virus (tmv)	<a href="https://www.slideshare.net/AvinashDarsimbe1/641-viral-diseases-tobacco-mosaic-virus-tmv">https://www.slideshare.net/AvinashDarsimbe1/641-viral-diseases-tobacco-mosaic-virus-tmv</a>	Avinash N. Darsimbe			
Bacteria – black arm of cotton (xanthomonos malvacearum)	<a href="https://www.slideshare.net/AvinashDarsimbe1/642-bacteria-black-arm-of-cotton-xanthomonos-malvacearum">https://www.slideshare.net/AvinashDarsimbe1/642-bacteria-black-arm-of-cotton-xanthomonos-malvacearum</a>	Avinash N. Darsimbe			

Notes and Power Points			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher

Syllabus for Botany B.Sc – I	<a href="https://drive.google.com/file/d/1wiSIJkp0W4AGybfELPIuYK4oIHIEzqH/view?usp=sharing">6fjotxBnPKv9tSIwF8EKBENERH84</a>	Dr. P. D. Deshmukh	General Accounts of Cyanobacteria	<a href="https://youtu.be/P5nQESgUjI">https://youtu.be/P5nQESgUjI</a>	Dr. P. D. Deshmukh
Notes on Cyanobacteria	<a href="https://drive.google.com/file/d/1wiSIJkp0W4AGybfELPIuYK4oIHIEzqH/view?usp=sharing">https://drive.google.com/file/d/1wiSIJkp0W4AGybfELPIuYK4oIHIEzqH/view?usp=sharing</a>	Dr. P. D. Deshmukh	Ultrastructure of Cyanobacteria	<a href="https://youtu.be/gMpTah3lQng">https://youtu.be/gMpTah3lQng</a>	Dr. P. D. Deshmukh
General Accounts of Cyanobacteria	<a href="https://drive.google.com/file/d/1FBFwc9zIa60dO5shqHI28anp_r4HCAE/view?usp=sharing">https://drive.google.com/file/d/1FBFwc9zIa60dO5shqHI28anp_r4HCAE/view?usp=sharing</a>	Dr. P. D. Deshmukh	Mode of Reproduction In Cyanobacteria	<a href="https://youtu.be/wUWAevqUsUg">https://youtu.be/wUWAevqUsUg</a>	Dr. P. D. Deshmukh
Ultra Structure of Cyanobacteria	<a href="https://drive.google.com/file/d/1Phy1PNyAWYpJdbuJ-CBWeTBC3k9mD26l/view?usp=sharing">https://drive.google.com/file/d/1Phy1PNyAWYpJdbuJ-CBWeTBC3k9mD26l/view?usp=sharing</a>	Dr. P. D. Deshmukh	Economic Importance of Cyanobacteria	<a href="https://youtu.be/PXPKG93ftVk">https://youtu.be/PXPKG93ftVk</a>	Dr. P. D. Deshmukh
Reproduction In Cyanobacteria	<a href="https://drive.google.com/file/d/1TCSUDIXBzJWyGE7O2xliE4yBd2SwUp_5/view?usp=sharing">https://drive.google.com/file/d/1TCSUDIXBzJWyGE7O2xliE4yBd2SwUp_5/view?usp=sharing</a>	Dr. P. D. Deshmukh	Silent features of international code for Botanical Nomenclature	<a href="https://youtu.be/J3-AkylYzD4">https://youtu.be/J3-AkylYzD4</a>	Dr. P. D. Deshmukh
Economics Importance of Cyanobacteria	<a href="https://drive.google.com/file/d/1TCSUDIXBzJWyGE7O2xliE4yBd2SwUp_5/view?usp=sharing">https://drive.google.com/file/d/1TCSUDIXBzJWyGE7O2xliE4yBd2SwUp_5/view?usp=sharing</a>	Dr. P. D. Deshmukh			

General Accounts of Thallophytes, Bryophytes and Pteridophytes	<a href="https://drive.google.com/file/d/11sKke3pfeIdnd8QbUIajdwsKZrNzce_W/view?usp=drivesdk">https://drive.google.com/file/d/11sKke3pfeIdnd8QbUIajdwsKZrNzce_W/view?usp=drivesdk</a>	Dr. P. D. Deshmukh			
Biological Nitrogen Fixation	<a href="https://drive.google.com/file/d/11J4k0CyD81wR38Ch0vQO8iffjBu9gze_/view?usp=sharing">https://drive.google.com/file/d/11J4k0CyD81wR38Ch0vQO8iffjBu9gze_/view?usp=sharing</a>	Dr. P. D. Deshmukh			

**B. Sc. Part – II (Semester – III)**

**Google Classrooms**

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. D.V.Hande	<a href="https://classroom.google.com/c/MTQxMTE1MTc3MzUw?cjc=fxzvhuk">https://classroom.google.com/c/MTQxMTE1MTc3MzUw?cjc=fxzvhuk</a>	Fxzvhuk
2	Dr. Swati V. Pundkar	<a href="https://classroom.google.com/u/0/c/MTAzOTExODAzMjU1">https://classroom.google.com/u/0/c/MTAzOTExODAzMjU1</a>	obvssuo

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Plant Anatomy-1	<a href="https://www.slideshare.net/dvhande/plant-anatomy1">https://www.slideshare.net/dvhande/plant-anatomy1</a>	Dr. D.V. Hande			
Plant anatomy-2	<a href="https://www.slideshare.net/dvhande/plant-anatomy1">https://www.slideshare.net/dvhande/plant-anatomy1</a>	Dr. D.V. Hande			
Plant Anatomy-3	<a href="https://www.slideshare.net/dvhande/plant-anatomy1">https://www.slideshare.net/dvhande/plant-anatomy1</a>	Dr. D.V. Hande			
Plant Anatomy-4	<a href="https://www.slideshare.net/dvhande/plant-tissues-242761830">https://www.slideshare.net/dvhande/plant-tissues-242761830</a>	Dr. D.V. Hande			
Plant Anatomy-5	<a href="https://www.slideshare.net/dvhande/simple-permanent-tissue">https://www.slideshare.net/dvhande/simple-permanent-tissue</a>	Dr. D.V. Hande			
Stem Anatomy-6	<a href="https://www.slideshare.net/dvhande/stem-anatomy-242762388">https://www.slideshare.net/dvhande/stem-anatomy-242762388</a>	Dr. D.V. Hande			
Stem Anatomy-7	<a href="https://www.slideshare.net/dvhande/stem-secondary-growth">https://www.slideshare.net/dvhande/stem-secondary-growth</a>	Dr. D.V. Hande			
Root Anatomy-1	<a href="https://www.slideshare.net/dvhande/plant-anatomy1">https://www.slideshare.net/dvhande/plant-anatomy1</a>	Dr. D. V. Hande			
Root Anatomy-2	<a href="https://www.slideshare.net/dvhande/root-anatomy-242762938">https://www.slideshare.net/dvhande/root-anatomy-242762938</a>	Dr. D.V. Hande			
Embryology of Angiosperms	<a href="https://www.slideshare.net/dvhande/plant-anatomy1">https://www.slideshare.net/dvhande/plant-anatomy1</a>	Dr. D. V. Hande			
Embryology of Angiosperms	<a href="https://www.slideshare.net/dvhande/plant-anatomy1">https://www.slideshare.net/dvhande/plant-anatomy1</a>	Dr. D.V. Hande			
Family- Asteraceae	<a href="https://www.slideshare.net/DrSwatiPundkar/bscii-introasteraceae">https://www.slideshare.net/DrSwatiPundkar/bscii-introasteraceae</a>	Dr. Swati V. Pundkar			
Family- Asclepiadaceae	<a href="https://www.slideshare.net/DrSwatiPundkar/asclepiadaceae-family?qid=b1684fd1-2d7d-4d6f-b447-0ca71b0501aa&amp;v=&amp;b=&amp;from_search=3">https://www.slideshare.net/DrSwatiPundkar/asclepiadaceae-family?qid=b1684fd1-2d7d-4d6f-b447-0ca71b0501aa&amp;v=&amp;b=&amp;from_search=3</a>	Dr. Swati V. Pundkar			

Family- Apocynaceae	<a href="https://www.slideshare.net/DrSwatiPundkar/apocynaceae-family">https://www.slideshare.net/DrSwatiPundkar/apocynaceae-family</a>	Dr. Swati V. Pundkar			
Family- Euphorbiaceae	<a href="https://www.slideshare.net/DrSwatiPundkar/euphorbiaceae-242833487?qid=b1684fd1-2d7d-4d6f-b447-0ca71b0501aa&amp;v=&amp;b=&amp;from_search=8">https://www.slideshare.net/DrSwatiPundkar/euphorbiaceae-242833487?qid=b1684fd1-2d7d-4d6f-b447-0ca71b0501aa&amp;v=&amp;b=&amp;from_search=8</a>	Dr. Swati V. Pundkar			
Family- Lamiaceae	<a href="https://www.slideshare.net/DrSwatiPundkar/lamiaceae">https://www.slideshare.net/DrSwatiPundkar/lamiaceae</a>	Dr. Swati V. Pundkar			

<b>Family- Liliaceae</b>	<a href="https://www.slideshare.net/DrSwatiPundkar/liliaceae-242833677">https://www.slideshare.net/DrSwatiPundkar/liliaceae-242833677</a>	Dr. Swati V. Pundkar			
<b>Family- Poaceae</b>	<a href="https://www.slideshare.net/DrSwatiPundkar/poaceae-242833849">https://www.slideshare.net/DrSwatiPundkar/poaceae-242833849</a>	Dr. Swati V. Pundkar			
<b>Family- Solanaceae</b>	<a href="https://www.slideshare.net/DrSwatiPundkar/solanaceae-242833917?qid=b1684fd1-2d7d-4d6f-b447-0ca71b0501aa&amp;v=&amp;b=&amp;from_search=12">https://www.slideshare.net/DrSwatiPundkar/solanaceae-242833917?qid=b1684fd1-2d7d-4d6f-b447-0ca71b0501aa&amp;v=&amp;b=&amp;from_search=12</a>	Dr. Swati V. Pundkar			
<b>Family- Verbenaceae</b>	<a href="https://www.slideshare.net/DrSwatiPundkar/verbenaceae-242834002?qid=ad6be72a-49e2-4853-a306-fe573acbef13&amp;v=&amp;b=&amp;from_search=1">https://www.slideshare.net/DrSwatiPundkar/verbenaceae-242834002?qid=ad6be72a-49e2-4853-a306-fe573acbef13&amp;v=&amp;b=&amp;from_search=1</a>	Dr. Swati V. Pundkar			
<b>Embryology- I</b>	<a href="https://www.slideshare.net/DrSwatiPundkar/development-of-male-gametophyte-242999633?qid=dd7a7117-25bf-4b86-97ed-fb0a11a42fae&amp;v=&amp;b=&amp;from_search=1">https://www.slideshare.net/DrSwatiPundkar/development-of-male-gametophyte-242999633?qid=dd7a7117-25bf-4b86-97ed-fb0a11a42fae&amp;v=&amp;b=&amp;from_search=1</a>	Dr. Swati V. Pundkar			
<b>Embryology- II</b>	<a href="https://www.slideshare.net/DrSwatiPundkar/development-of-female-gametophyte-242999688?qid=15e6ba38-7057-41d7-809f-6bc7811109dc&amp;v=&amp;b=&amp;from_search=2">https://www.slideshare.net/DrSwatiPundkar/development-of-female-gametophyte-242999688?qid=15e6ba38-7057-41d7-809f-6bc7811109dc&amp;v=&amp;b=&amp;from_search=2</a>	Dr. Swati V. Pundkar			
<b>Embryology- III</b>	<a href="https://www.slideshare.net/DrSwatiPundkar/microsporogenesis-243088549">https://www.slideshare.net/DrSwatiPundkar/microsporogenesis-243088549</a>	Dr. Swati V. Pundkar			
<b>Embryology- IV</b>	<a href="https://www.slideshare.net/DrSwatiPundkar/double-fertilization-and-triple-fusion-250936882">https://www.slideshare.net/DrSwatiPundkar/double-fertilization-and-triple-fusion-250936882</a>	Dr. Swati V. Pundkar			

**B. Sc. Part – III (Semester – V)**

**Classrooms**

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dinesh Khedkar (III MEB)	<a href="https://classroom.google.com/c/MTU4NDMwODU2MzAw?cjc=o3242ox">https://classroom.google.com/c/MTU4NDMwODU2MzAw?cjc=o3242ox</a>	o3242ox
2	Dinesh Khedkar (III Bio)	<a href="https://classroom.google.com/c/MTU4NDMwODU2MjJkx?cjc=2pkf63p">https://classroom.google.com/c/MTU4NDMwODU2MjJkx?cjc=2pkf63p</a>	2pkf63p
3	Dr. Tushar Wankhede	<a href="https://classroom.google.com/c/NjU5NTQ5ODE2ODRa">https://classroom.google.com/c/NjU5NTQ5ODE2ODRa</a>	cftsuts
4	Avinash N. Darsimbe	<a href="https://classroom.google.com/c/MTM5Mjg1MTE0NjEx?cjc=6lxidog">https://classroom.google.com/c/MTM5Mjg1MTE0NjEx?cjc=6lxidog</a>	6lxidog
5	Avinash N. Darsimbe	<a href="https://classroom.google.com/c/NDQ3MjE3NDM2NjY4?cjc=hmkxxpr">https://classroom.google.com/c/NDQ3MjE3NDM2NjY4?cjc=hmkxxpr</a>	hmkxxpr

**Notes and PowerPoints**

**Links to Video Lectures**

Topic	Link	Teacher	Topic	Link	Teacher
Plant Physiology and Ecology	<a href="http://www.dineshkhedkar.co.in">www.dineshkhedkar.co.in</a>	Dinesh D Khedkar	Plant Physiology and Ecology	<a href="http://www.dineshkhedkar.co.in">www.dineshkhedkar.co.in</a>	Dinesh D Khedkar
Plant Physiology and Ecology	<a href="http://www.authorstream.com/sonudin/">http://www.authorstream.com/sonudin/</a>	Dinesh D Khedkar	Plant Physiology and Ecology	<b>YouTube Play List: Plant Ecology</b> <a href="https://www.youtube.com/playlist?list=PLblxTkS1c18iH9D02cX3Kv2qbKcxyLXEb">https://www.youtube.com/playlist?list=PLblxTkS1c18iH9D02cX3Kv2qbKcxyLXEb</a>	Dinesh D Khedkar
				<b>YouTube Play List: Genetic Engineering</b> <a href="https://www.youtube.com/playlist?list=PLblxTkS1c18grp5J1Wl9wJjnerKcOVvZZ">https://www.youtube.com/playlist?list=PLblxTkS1c18grp5J1Wl9wJjnerKcOVvZZ</a>	Dinesh D Khedkar
				<b>YouTube Play List: Value Added Course</b> <a href="https://www.youtube.com/playlist?list=PLblxTkS1c18jkLcnURUh-VhSiyqzHBPwY">https://www.youtube.com/playlist?list=PLblxTkS1c18jkLcnURUh-VhSiyqzHBPwY</a>	
				<b>YouTube Play List: Virtual Classroom</b> <a href="https://www.youtube.com/playlist?list=PLblxTkS1c18idGAUFNHTaC9FulaMuP9pM">https://www.youtube.com/playlist?list=PLblxTkS1c18idGAUFNHTaC9FulaMuP9pM</a>	Dinesh D Khedkar

Topic	Link	Teacher
Plant physiology Water Relations	<a href="https://www.slideshare.net/tusharwan/unit-i-water-relations-in-plant-metabolism">https://www.slideshare.net/tusharwan/unit-i-water-relations-in-plant-metabolism</a>	Dr. Tushar Wankhede
Plant physiology Photosynthesis	<a href="https://www.slideshare.net/tusharwan/photosynthesis-dr-tushar-wankhede">https://www.slideshare.net/tusharwan/photosynthesis-dr-tushar-wankhede</a>	Dr. Tushar Wankhede
Plant physiology Nitrogen Metabolism	<a href="https://www.slideshare.net/tusharwan/unit-iii-nitrogen-metabolism-and-growth">https://www.slideshare.net/tusharwan/unit-iii-nitrogen-metabolism-and-growth</a>	Dr. Tushar Wankhede
Plant physiology Photoperiodism	<a href="https://www.slideshare.net/tusharwan/photoperiodism-189710200">https://www.slideshare.net/tusharwan/photoperiodism-189710200</a>	Dr. Tushar Wankhede

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Nitrogen Metabolism	<a href="https://www.slideshare.net/AvinashDarsimbe1/nitrogen-metabolism-sources-of-nitrogen?qid=041b5926-438d-47b8-98b5-ab3fa7491af9&amp;v=&amp;b=&amp;from_search=3">https://www.slideshare.net/AvinashDarsimbe1/nitrogen-metabolism-sources-of-nitrogen?qid=041b5926-438d-47b8-98b5-ab3fa7491af9&amp;v=&amp;b=&amp;from_search=3</a>	Avinash N. Darsimbe	Growth Hormones	<a href="https://youtu.be/mtQcTyRTEr4">https://youtu.be/mtQcTyRTEr4</a>	Avinash N. Darsimbe
Growth Regulators (Growth Hormones)	<a href="https://www.slideshare.net/AvinashDarsimbe1/growth-regulators-growth-hormones">https://www.slideshare.net/AvinashDarsimbe1/growth-regulators-growth-hormones</a>	Avinash N. Darsimbe	Cell Cycle	<a href="https://youtu.be/rY8Olqn_j7o">https://youtu.be/rY8Olqn_j7o</a>	Avinash N. Darsimbe
Symbiotic Nitrogen Fixation	<a href="https://docs.google.com/presentation/d/1rAYQoIliGb9zFb7ALR1MdEzopiKZ2pQi/e/dit?usp=sharing&amp;oid=113943666597262621016&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1rAYQoIliGb9zFb7ALR1MdEzopiKZ2pQi/e/dit?usp=sharing&amp;oid=113943666597262621016&amp;rtpof=true&amp;sd=true</a>	Avinash N. Darsimbe	To study morphological and anatomical adaptation in Hydrophytes	<a href="https://youtu.be/ni-SMinvDS8">https://youtu.be/ni-SMinvDS8</a>	Avinash N. Darsimbe
Physiology of Senescence and Abscission	<a href="https://www.slideshare.net/AvinashDarsimbe1/physiology-of-senescence-and-abscission-239720517?qid=041b5926-">https://www.slideshare.net/AvinashDarsimbe1/physiology-of-senescence-and-abscission-239720517?qid=041b5926-</a>	Avinash N. Darsimbe	Study of morphological and anatomical	<a href="https://youtu.be/sY3TppPhNl4">https://youtu.be/sY3TppPhNl4</a>	Avinash N. Darsimbe

	<a href="https://www.google.com/search?q=438d-47b8-98b5-ab3fa7491af9&amp;v=&amp;b=&amp;from_search=5">438d-47b8-98b5-ab3fa7491af9&amp;v=&amp;b=&amp;from_search=5</a>		adaptation in Xerophytes		
Nitrate reductase	<a href="https://docs.google.com/presentation/d/12R19GihGXvA3WYlfbPgRD7jrQJ5UI0fc/edit?usp=sharing&amp;oid=113943666597262621016&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/12R19GihGXvA3WYlfbPgRD7jrQJ5UI0fc/edit?usp=sharing&amp;oid=113943666597262621016&amp;rtpof=true&amp;sd=true</a>	Avinash N. Darsimbe	To study meteorological instruments of various purposes	<a href="https://youtu.be/IwRRYS8vqQ">https://youtu.be/IwRRYS8vqQ</a>	Avinash N. Darsimbe
Photoperiodism	<a href="https://drive.google.com/file/d/1qCO1lkOQG5BmclNkKo6Mpp7jARsgmRCI/view?usp=sharing">https://drive.google.com/file/d/1qCO1lkOQG5BmclNkKo6Mpp7jARsgmRCI/view?usp=sharing</a>	Avinash N. Darsimbe			

S.N.	Name of the Teacher	Joining Link	Class Code	
1	Dr. P. D. Deshmukh	<a href="https://classroom.google.com/c/NTYxNTM0NTM0MzFa?cjc=2nkeqyf">https://classroom.google.com/c/NTYxNTM0NTM0MzFa?cjc=2nkeqyf</a>	2nkeqyf	
		Separation of Chloroplast Pigments by Paper Chromatography / Solvent Extraction Method	<a href="https://youtu.be/zg7Bs-9RxO8">https://youtu.be/zg7Bs-9RxO8</a>	Dr. P. D. Deshmukh
		pH OF SOIL SAMPLE	<a href="https://youtu.be/2wRncex57CI">https://youtu.be/2wRncex57CI</a>	Dr. P. D. Deshmukh
		To demonstrate Exosmosis and Endosmosis.	<a href="https://youtu.be/am6_zuhlUmY">https://youtu.be/am6_zuhlUmY</a>	Dr. P. D. Deshmukh

Biological Nitrogen Fixation	<a href="https://drive.google.com/file/d/1IJ4k0CyD81wR38Ch0vQO8iffjBu9gze_/view?usp=sharing">https://drive.google.com/file/d/1IJ4k0CyD81wR38Ch0vQO8iffjBu9gze_/view?usp=sharing</a>	Dr. P. D. Deshmukh	PLANT RESPONSES	<a href="https://youtu.be/ncchwwAnYb0">https://youtu.be/ncchwwAnYb0</a>	Dr. P. D. Deshmukh
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**Shri Shivaji Science College, Amravati**  
**E – Contents for Under Graduate Students**  
**Department of Botany**

**B. Sc. Part – I (Semester – II)**

**Google Classrooms**

S.N.	Name of the Teacher	Joining Link	Class Code
1.	Rekha C. Maggirwar	<a href="https://classroom.google.com/c/MTI0OTQ5NzMzMTE5?cjc=cik7">https://classroom.google.com/c/MTI0OTQ5NzMzMTE5?cjc=cik7</a>	cik7a14

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
<i>Pinus and Gnetum</i>	<a href="https://drive.google.com/drive/u/0/folders/0B4NijJv83CHoflpqcXoyWFRIYnNsbEtwR01UNdVXZ0NKSDcwX2pQSERpT19WbGdzU0pIYlk?resourcekey=0-S1Nsa0pbivzsO0KbiqtMIg">https://drive.google.com/drive/u/0/folders/0B4NijJv83CHoflpqcXoyWFRIYnNsbEtwR01UNdVXZ0NKSDcwX2pQSERpT19WbGdzU0pIYlk?resourcekey=0-S1Nsa0pbivzsO0KbiqtMIg</a>	Rekha C. Maggirwar R	<i>Pinus</i> Vegetative	<a href="https://youtu.be/Xyv5g-0hDIU">https://youtu.be/Xyv5g-0hDIU</a>	Rekha C. Maggirwar
<i>L. oldhami a PPT</i>	<a href="https://drive.google.com/drive/u/0/folders/0B4NijJv83CHoflpqcXoyWFRIYnNsbEtwR01UNdVXZ0NKSDcwX2pQSERpT19WbGdzU0pIYlk?resourcekey=0-S1Nsa0pbivzsO0KbiqtMIg">https://drive.google.com/drive/u/0/folders/0B4NijJv83CHoflpqcXoyWFRIYnNsbEtwR01UNdVXZ0NKSDcwX2pQSERpT19WbGdzU0pIYlk?resourcekey=0-S1Nsa0pbivzsO0KbiqtMIg</a>	Rekha C. Maggirwar	<i>Pinus</i> Reproductive	<a href="https://youtu.be/QoNudBo1ruw">https://youtu.be/QoNudBo1ruw</a>	
<i>Benettit e s PPT</i>	<a href="https://drive.google.com/drive/u/0/folders/0B4NijJv83CHoflpqcXoyWFRIYnNsbEtwR01UNdVXZ0NKSDcwX2pQSERpT19WbGdzU0pIYlk?resourcekey=0-S1Nsa0pbivzsO0KbiqtMIg">https://drive.google.com/drive/u/0/folders/0B4NijJv83CHoflpqcXoyWFRIYnNsbEtwR01UNdVXZ0NKSDcwX2pQSERpT19WbGdzU0pIYlk?resourcekey=0-S1Nsa0pbivzsO0KbiqtMIg</a>	Rekha C. Maggirwar	<i>Gnetum</i> Vegetative	<a href="https://youtu.be/VSuuiLmARR0">https://youtu.be/VSuuiLmARR0</a>	
			<i>Gnetum</i> Reproductive	<a href="https://youtu.be/8ZK0XyvhtSQ">https://youtu.be/8ZK0XyvhtSQ</a>	

**B. Sc. Part – II (Semester – IV)****Google Classrooms**

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. D.V. Hande	<a href="https://classroom.google.com/c/NTc1NzIxOTc4OTda?cjc=clcbhb">https://classroom.google.com/c/NTc1NzIxOTc4OTda?cjc=clcbhb</a>	clcbrhb

Notes and PowerPoints			inks to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Plasmamembrane- Structure, models and functions	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	Dr. D. V. Hande			
Nucleus - structure and functions	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	Dr. D.V. Hande			
Chloroplast - Structure and functions	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	Dr. D.V. Hande			
Peroxisomes - Structure and functions	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	Dr. D.V. Hande			
Mitochondria Structure and functions	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	Dr. D.V. Hande			
Endoplasmic reticulum - Structure and functions	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	Dr. D.V. Hande			
Cell cycle- Mitosis and Meiosis	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	Dr. D.V. Hande			
Plant Cell wall Structure and functions	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	Dr. D.V. Hande			

Vacuole- Structure and Functions	<a href="#">SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI Presentations on SlideShare</a>	<b>Dr. D.V. Hande</b>			
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### Google Classrooms

S.N.	NameoftheTeacher	JoiningLink	ClassCode
1.	<b>DR. P.D. DESHMU KH</b>	<a href="https://classroom.google.com/c/NTYxNTM0NTM0MzFa?cjc=2nkeqyf">https://classroom.google.com/c/NTYxNTM0NTM0MzFa?cjc=2nkeqyf</a>	<b>2nkeqyf</b>

Notes and Power Points			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
			<b>HOW LAC OPERON WORKS?</b>	<a href="https://youtu.be/zDVnabupvaA">https://youtu.be/zDVnabupvaA</a>	<b>Dr. P.D. Deshmukh</b>
			<b>Regulation of gene expression in Prokaryotes – Lac Operon</b>	<a href="https://youtu.be/pqWGu5xCeeg">https://youtu.be/pqWGu5xCeeg</a>	<b>Dr. P.D. Deshmukh</b>
			<b>Silent feature of international code on Botanical Nomenclature</b>	<a href="https://youtu.be/J3-AkylYzD4">https://youtu.be/J3-AkylYzD4</a>	<b>Dr. P.D. Deshmukh</b>

			Separation of Chloroplast Pigments by Paper Chromatography / Solvent Extraction Method	<a href="https://youtu.be/zg7Bs-9RxO8">https://youtu.be/zg7Bs-9RxO8</a>	Dr. P. D. Deshmukh
			pH OF SOIL SAMPLE	<a href="https://youtu.be/2wRncex57CI">https://youtu.be/2wRncex57CI</a>	Dr. P. D. Deshmukh
			To demonstrate Exosmosis and Endosmosis.	<a href="https://youtu.be/am6_zuhlUmY">https://youtu.be/am6_zuhlUmY</a>	Dr. P. D. Deshmukh
			PLANT RESPONSES	<a href="https://youtu.be/ncchwwAnYb0">https://youtu.be/ncchwwAnYb0</a>	Dr. P. D. Deshmukh