



Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department Of Botany

Permanent Slides

Sr. No.	Type	Plant part
Bacteria		
1.	Spirillum	W. M.
2.	Vibrio	W. M.
3.	Bacillus	W. M.
4.	Coccus	W. M.
5.	Vibrio-comma	W. M.
6.	Micrococcus	W. M.
7.	Acetobacter	W. M.
Algae		
1.	<i>Batrachospermum</i>	
2.	<i>Fucus</i>	V S
3.	<i>Fucus</i>	Male Conceptacle
4.	<i>Fucus</i>	Female Conceptacle
5.	<i>Nostoc</i>	W. M.
6.	<i>Oedogonium</i>	WM Veg
7.	<i>Oedogonium</i>	Macrandrous
8.	<i>Oedogonium</i>	Nanandrous
9.	<i>Oedogonium</i>	Cap Cells
10.	<i>Polysiphonia</i>	W M
11.	<i>Polysiphonia</i>	Tetrasporic
12.	<i>Sargassum</i>	T S Male
13.	<i>Sargassum</i>	T S Female
14.	<i>Scytonema</i>	W M
15.	<i>Spirogyra</i>	W M

16.	<i>Spirogyra</i>	Lat. Conju.
17.	<i>Spirogyra</i>	Scalariform Conju.
18.	<i>Ulothrix</i>	W M
19.	<i>Volvox</i>	W M
20.	<i>Volvox</i>	Daughter colony
21.	<i>Volvox</i>	Male
22.	<i>Zygnema</i>	W M

Lichen

1.	<i>Lichen thallus</i>	T. S.
2.	<i>Apothecium</i>	W M

Fungi

1.	<i>Agaricus</i>	V. S. Stipe
2.	<i>Agaricus</i>	Stipe T. S.
3.	<i>Albugocyclopus</i>	W M
4.	<i>Aspergillus</i>	Conidia
5.	<i>Cystopus</i>	Sexual
6.	<i>Cystopus</i>	V. S. Conidial
7.	<i>Mucor</i>	Sporangia
8.	<i>Mucor</i>	Zygosporangia
9.	<i>Mucor</i>	Veg.
10.	<i>Penicillium</i>	W. M.
11.	<i>Penicillium</i>	Conidia
12.	<i>Penicillium</i>	W. M.
13.	<i>Penicillium</i>	W. M. Sexual
14.	<i>Penicillium</i>	W. M.
15.	<i>Penicillium</i>	Conidiophore
16.	<i>Puccinia</i>	Teleutospores
17.	<i>Puccinia</i>	Uredospores
18.	<i>Puccinia</i>	Aceospores
19.	<i>Puccinia</i>	Pycnia
20.	<i>Puccinia</i>	Telial stage

Bryophytes

1.	<i>Anthoceros</i>	Thallus C S.
2.	<i>Anthoceros</i>	Antheridia
3.	<i>Anthoceros</i>	Sporophyte
4.	<i>Funaria</i>	Capsule
5.	<i>Marchantia</i>	Gemmae V S
6.	<i>Marchantia</i>	Sporophyte
7.	<i>Marchantia</i>	<i>Antheridial V S</i>
8.	<i>Moss</i>	Archegonia
9.	<i>Moss</i>	Antheridia
10.	<i>Moss</i>	Stem T. S.
11.	<i>Moss</i>	Capsule
12.	<i>Riccia</i>	Thallus (V. S.)
13.	<i>Riccia</i>	Sporophyte
14.	<i>Riccia</i>	Antheridia
15.	<i>Riccia</i>	Sporocarp

Pteridophytes

1.	<i>Azolla</i>	Leaf with sporophyte
2.	<i>Equisetum</i>	Cone L S
3.	<i>Equisetum</i>	Stem T. S.
4.	<i>Equisetum</i>	Root T S
5.	<i>Equisetum</i>	Cone L. S.
6.	<i>Fern</i>	Stolon T. S.
7.	<i>Fern</i>	Prothallus
8.	<i>Fern</i>	Prothallus W M
9.	<i>Fern</i>	Sporangia
10.	<i>Fern</i>	Leaf with sori
11.	<i>Fern prothallus</i>	Antheridia
12.	<i>Lycopodium</i>	Stem T S Plectostele
13.	<i>Marselia</i>	Root T S
14.	<i>Marsilea</i>	Sporophyte V S
15.	<i>Marsilea</i>	Sporocarp

16.	<i>Marsilea</i>	Stem T S
17.	<i>Marsilea</i>	Rhizome T S
18.	<i>Ophioglossum</i>	Root C S
19.	<i>Ophioglossum</i>	Rhizome C S
20.	<i>Ophioglossum</i>	Petiole C S
21.	<i>Osmunda</i>	Rhizome T S
22.	<i>Psilotum</i>	Stem T. S. Actinostele
23.	<i>Pteris</i>	Sori
24.	<i>Selaginella</i>	Leaf T.S.
25.	<i>Selaginella</i>	Stem Haplostele
26.	<i>Selaginella</i>	Spike
27.	<i>Selaginella</i>	Rhizome
28.	<i>Selaginella</i>	Stem T S
29.	<i>Selaginella</i>	Cone W M
30.	<i>Sellaginella</i>	Stem T. S.

Gymnosperms

1.	<i>Cycas</i>	Sporophylls
2.	<i>Cycas</i>	Microsporophyll
3.	<i>Cycas</i>	Leaflet T S
4.	<i>Pinus</i>	Male cone L S
5.	<i>Pinus</i>	Needle T S
6.	<i>Pinus</i>	Stem T S
7.	<i>Pinus</i>	Leaf L S
8.	<i>Pinus</i>	Female cone
9.	<i>Pinus</i>	Ovule V S
10.	<i>Pinus</i>	Leaf T S
11.	<i>Pinus</i>	Male cone L S

Angiosperms

Cytology

1.	Chromosome	Feulgen stain
2.	Mitosis	Smear

3.	Mitosis	Phase I
4.	Mitosis	Anaphase
5.	<i>Mitosis</i>	Phase V
6.	<i>Mitosis</i>	Phase III
7.	<i>Mitosis</i>	Metaphase
8.	<i>Onion</i>	Root hematoxylin -Green stain
9.	<i>Rhoeo</i>	Chromosome bridge
10.	<i>Rhoeo</i>	Meiosis

Anatomy

1.	<i>Anther</i>	Mature T S
2.	<i>Apical Meristem</i>	
3.	<i>Arenchyma</i>	
4.	<i>Bignonia</i>	Stem T S
5.	<i>Bougainvillea</i>	
6.	<i>Collenchyma</i>	
7.	<i>Cucurbita</i>	Root T S
8.	<i>Cucurbita</i>	Stem L S
9.	<i>Cucurbita</i>	Stem T S
10.	<i>Cuscuta</i>	With host
11.	<i>Cystolith</i>	
12.	<i>Dahlia</i>	Root T S
13.	<i>Dicot root</i>	
14.	<i>Dicot stem</i>	
15.	<i>Dracaena</i>	Stem T S
16.	<i>Eichornia</i>	Petiole
17.	<i>Eucalyptus</i>	Leaf T S Oil Gland
18.	<i>Hydrilla</i>	Stem T S
19.	<i>Hydrolea</i>	Stem T S
20.	<i>Latex cell</i>	
21.	<i>Maize</i>	Stem T S
22.	<i>Maize</i>	Root T S
23.	<i>Mitochondria</i>	T S

24.	<i>Monocot Stem</i>	T S
25.	<i>Nerium</i>	Sunken stomata
26.	<i>Onion</i>	<i>Cell structure</i>
27.	<i>Orchid</i>	Root T S
28.	<i>Parenchyma</i>	
29.	<i>Phloem</i>	
30.	<i>Raphides</i>	
31.	<i>Sclerenchyma</i>	
32.	<i>Spharoraphides</i>	
33.	<i>Stomata</i>	Open
34.	<i>Stomata</i>	Closed
35.	<i>Stomata</i>	W M
36.	<i>Sunflower</i>	Stem T S
37.	<i>Tinospora</i>	Stem T S
38.	<i>Utricularia</i>	Bladder
39.	<i>Xylem</i>	

Embryology

1.	Amphitropus Ovule	
2.	Anatropus Ovule	
3.	Campylotropus Ovule	
4.	Circinotropus Ovule	
5.	Orthotropus Ovule	

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Library Catalogue

Sr. No.	Title of the book	Author/s	Publication
1.	Ecological Approaches to Indian Weeds	David N. Sen	Geobios International, Jodhpur 1981
2.	A Text Book of Botany Vol – I	Saxena & Sarbhai	Ratan Prakashan Mandir, Agra 1968
3.	A Text Book of Botany Vol – II	Saxena & Sarbhai	Saxena & Sarbhai
4.	Introduction to Plant Physiology	Bernard Meyer, Donald Anderson, Richard Bohning	D. Van Nostrand Company, Inc. , New York 1960
5.	Genetics: A Survey of the Principles of Heredity	A.M. Winchester	Oxford & IBH Publishing, Calcutta 1967
6.	A Class Book of Algae	G. L. Chopra	S. Nagin & Co. Delhi 1948
7.	A Textbook of Plant Physiology	A.C. Joshi	Atma Ram & Sons, Delhi 1967
8.	A Textbook of Algae	G. L. Chopra	S. Nagin & Co. Delhi 1948
9.	Plant Pathology	R. S. Mehrotra	Tata MacGraw Hill Publishing, Delhi 1980
10.	Steps in Biology	D. K. Apsangikar, K. P.	Popular PrakashanSurat

		Dhage, V. V. Golatkar	1986
11.	A Text Book of Botany B. Sc. Part II Paper IV (2 copies)	C. R. Patil, P. G. Pataskar, S. S. Sathe, T. G. Nagraja	PhadakePrakashan, Kolhapur 1997
12.	Most Likely Questions Set Biology (Paper I& II)		Navneet Prakashan Kendra Bombay
13.	Unique Steps in Biology (Std. XII)	B. M. Manthale& D. G. Solunke	SaraswatiPrakashan, Aurangabad
14.	A Text Book of Botany B. Sc. Part II Paper IV	C. R. Patil, P. G. Pataskar, S. S. Sathe, T. G. Nagraja	PhadakePrakashan, Kolhapur 2009
15.	A Text Book of Botany B. Sc. Part II Paper VIII	C. R. Patil, P. G. Pataskar, S. S. Sathe, T. G. Nagraja	PhadakePrakashan, Kolhapur 2015
16.	Steps in College Botany B. Sc. I Paper I & II (2 sets)	D. A. Kadam, S. H. Mahamulkar, A. B. Pawar, P. R. Patil, R. B. Dhage, V. C. Karande, S. S. Gaikwad, D. B, Patil	Rayat Prasad Prakashan, Satara 2003
17.	A Text Book of Botany B. Sc. Part I Paper I	C. R. Patil, P. G. Pataskar, S. S. Sathe, T. G. Nagraja	PhadakePrakashan, Kolhapur 1996
18.	A Dictionary of Biology	M. Abercrombie, C. J. Hickman, M. L. Johnson	Hunt Barnard Printing Ltd. Aylesbury
19.	A New Course in Lower Cryptogams	Prof. S. B. Thube	GaajPrakashan, Ahmednagar 1990
20.	A New Course in Botany	V. M. Kumar, C. N. Sharma, K. R. Joshi, S. S. Sarangdhar	Sheth Publishers Pvt. Ltd. 1994
21.	Botanical Microtechnique	John E. Sass	Oxford & IBH
22.	Palynological Aspects of Compositae: A Research Monograph	PushpalataChaubal	Seva Mudranalay Kolhapur 1976
23.	An Introduction to Anatomy	Arthur J. Eames & L. H. MacDaniels	McGraw Hill Book Company 1947

24.	An Introduction to Embryophyta: Bryophyta	N. S. Parihar	Indian Universities Press, Allahabad 1956
25.	Biology and Ecology of <i>Cyperusrotundus</i> Linn.	P. K. Jha, David N. Sen	Geobios International, Jodhpur 1985
26.	Trajectory: A Biannual Journal of Research (Vol.16)	Chief Editor Dr. M. A. Shaikh	Karmveer Vidya Prabodhini, Rayat Shikshan Sanstha, Satara
27.	Research Journal (Vol.9)	Editor in-chief Dr. P. N. Mane	Rayat Shikshan Sanstha, Satara
28.	Man and The Ocean	Prof. Ramchandra Rao	Indian Science Congress Association
29.	Advances in Plant Sciences (Vol. 4)	Dr. S. K. Gupta	Academy of Plant Sciences, India
30.	The Journal of The Indian Botanical Society (Vol. 67)	Prof. A. Mahadevan	The Indian Botanical Society
31.	The Journal of The Indian Botanical Society (Vol. 66)	Prof. A. Mahadevan	The Indian Botanical Society
32.	The Journal of The Indian Botanical Society (Vol. 65)	Prof. A. Mahadevan	The Indian Botanical Society
33.	The Journal of The Indian Botanical Society (Vol. 68)	D. Banerji, C. M. Govil	The Indian Botanical Society
34.	The Journal of The Indian Botanical Society (Vol. 69)	D. Banerji, C. M. Govil	The Indian Botanical Society
35.	The Journal of The Indian Botanical Society (Vol. 70)	D. Banerji, C. M. Govil	The Indian Botanical Society
36.	The Journal of The	C. M. Govil, A. P. Garg	The Indian Botanical

	Indian Botanical Society (Vol. 75)		Society
37.	The Journal of The Indian Botanical Society (Vol. 76)	D. Banerji, C. M. Govil	The Indian Botanical Society
38.	The Journal of The Indian Botanical Society (Vol. 72)	D. Banerji, C. M. Govil	The Indian Botanical Society
39.	Proceedings of the Seventy Fifth Session of the Indian Science Congress	Prof. S. S. Bir	Indian Science Congress Association
40.	Proceedings of the Seventy Fourth Session of the Indian Science Congress	Prof. K. S. Bilgrami	Indian Science Congress Association
41.	Maharashtra Vidnyan Patrika (Vol 15)	Miss. K. G. Date	Maharashtra Vidnyan Mandir
42.	Research Journal (Vol. 5)	Dr. V. K. Ghate	Rayat Shikshan Sanstha
43.	Annual Report: Indian Science Congress Association		Indian Science Congress Association
44.	Research Journal (Vol. 2)	Dr. K. B. Kundap	Rayat Shikshan Sanstha
45.	CSIR Handbook	Dr. B. C. Kashyap	Council of Scientific and Industrial Research
46.	Research Journal	Dr. V. K. Ghate	Rayat Shikshan Sanstha
47.	Research Journal	Dr. S. R. Suryavanshi	Rayat Shikshan Sanstha
48.	Proceedings of the Seventy Third Session of the Indian Science Congress	Dr. N. N. Goswami	Indian Science Congress Association

49.	Maharashtra Vidnyan Patrika (Vol 12)	Miss. K. G. Date	Maharashtra Vidnyan Mandir
50.	Maharashtra Vidnyan Patrika (Vol 9)	Prof. S. D. Bhagwat	Maharashtra Vidnyan Mandir
51.	Maharashtra Vidnyan Patrika (Vol 15)	Prof. S. D. Bhagwat	Maharashtra Vidnyan Mandir
52.	Maharashtra Vidnyan Patrika (Vol 15)	Prof. S. D. Bhagwat	Maharashtra Vidnyan Mandir
53.	Maharashtra Vidnyan Patrika (Vol 11)	Prof. S. D. Bhagwat	Maharashtra Vidnyan Mandir
54.	Maharashtra Vidnyan Patrika (Vol 16)	Prof. S. D. Bhagwat	Maharashtra Vidnyan Mandir
55.	Maharashtra Vidnyan Patrika (Vol 14)	Prof. S. D. Bhagwat	Maharashtra Vidnyan Mandir
56.	Maharashtra Vidnyan Patrika (Vol 14)	Prof. S. D. Bhagwat	Maharashtra Vidnyan Mandir
57.	Souvenir Seventy Third Indian Science Congress	Dr. H. Y. Mohan Ram	Indian Science Congress
58.	The Journal of The Indian Botanical Society (Vol. 63)	S. C. Agarwala, B. N. Prasad	The Indian Botanical Society
59.	The Journal of The Indian Botanical Society (Vol.65)	S. C. Agarwala, B. N. Prasad	The Indian Botanical Society
60.	The Journal of The Indian Botanical Society (Vol.63)	S. C. Agarwala, B. N. Prasad	The Indian Botanical Society
61.	The Journal of The Indian Botanical Society (Vol.64)	S. C. Agarwala, B. N. Prasad	The Indian Botanical Society
62.	Special Indian Geophytological Conference		Department of Botany University of Poona

63.	Research Journal of Plant and Environment	Prof. S. N. Dixit	International Society for Plant and Environment
64.	Environmental Priorities in India and Sustainable Development	T N Khoshoo	Indian Science Congress Association
65.	The Journal of The Indian Botanical Society (Vol.65)	Prof. A. Mahadevan	The Indian Botanical Society
66.	The Journal of The Indian Botanical Society (Vol.64)	S. C. Agarwala, B. N. Prasad	The Indian Botanical Society
67.	The Journal of The Indian Botanical Society (Vol.59)	S. C. Agarwala, B. N. Prasad	The Indian Botanical Society

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4.	Anomalous Secondary Growth <i>Dracaena</i> & <i>Serjania</i>	DBOT 16
5.	Anomalous Secondary Growth <i>Mirabilis</i> & <i>Bignonia</i>	DBOT 18
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