

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM
DEPARTMENT OF BOTANY
Teaching Plan 2018-2019

Paper: 18UBO 441

Title: BRYOLOGY, PTERIDOLOGY, GYMNOSPERMS & PALEOBOTANY

Name of Teacher	Initials	Module No	Title of the Module	IH
Dr. Sinilal	SL	1	BRYOLOGY	18
Ms. Nirmala Jeyarani	NJ	2	PTERIDOLOGY	18
Dr. Sinilal	SL	3	GYMNOSPERMS	14
Dr. Sinilal	SL	4	PALAEOBOTANY	04
Total Instructional Hours (IH)				54

Day	Date	Topic	IH	Teacher
D1	15.11.2018	----		
D2	16.11.2018	----		
D3	19.11.2018	Introduction & General characters of Bryophytes	1	SL
D4	21.11.2018	General characters of Gymnosperms	1	SL
D5	22.11.2018	--		
D6	23.11.2018	--		
D7	26.11.2018	Classification of Bryophytes	1	SL
D8	27.11.2018	Classification of Gymnosperms	1	SL
D9	28.11.2018	Introduction of Pteridophytes- General Characters.	1	NJ
D10	29.11.2018	--		
D11	30.11.2018	--		
D12	03.12.2018	Habit & Thallus Organization (External & Internal structure) of <i>Riccia</i>	1	SL
D13	04.12.2018	External morphology, Internal structure (normal root, coralloid root, stem, rachis, leaflet) of <i>Cycas</i>	1	SL

D14	05.12.2018	Morphological and Phylogenic classification of Pteridophytes	1	NJ
D15	06.12.2018	--		
D16	07.12.2018	--		
D17	10.12.2018	Habit & Thallus Organization (External & Internal structure) of <i>Riccia</i>	1	SL
D18	11.12.2018	External morphology, Internal structure (normal root, coralloid root, stem, rachis, leaflet) of <i>Cycas</i>	1	SL
D19	12.12.2018	Habitat, External and Internal structure of <i>Psilotum</i> .	1	NJ
D20	13.12.2018	--		
D21	14.12.2018	--		
D22	17.12.2018	Vegetative reproduction & Sex organs of <i>Riccia</i>	1	SL
D23	18.12.2018	Vegetative Reproduction of cycas, Male cone, Structure of ovule, gametophyte of <i>Cycas</i>	1	SL
D24	19.12.2018	Reproduction, Gametophyte, Fertilization, Life cycle of <i>Psilotum</i> .	1	NJ
D25	20.12.2018	--		
D26	21.12.2018	--		
D27	01.01.2019	Fertilization, Development of sporogonium and alternation of generation of <i>Riccia</i>	1	SL
D28	03.01.2019	--		
D29	04.01.2019	--		
D30	07.01.2019	Fertilization, young sporophyte and life cycle of <i>Cycas</i>	1	SL
D31	08.01.2019	Habit & Thallus Organization & Vegetative reproduction of <i>Marchantia</i>	1	SL
D32	09.01.2019	Habitat, Sporophytic structure, Reproduction, Gametophyte, Fertilization & Life cycle of <i>Selaginella</i>	1	NJ
D33	10.01.2019	--		

D34	11.01.2019	--		
D35	14.01.2019	External morphology, internal structure of <i>Pinus</i>	1	SL
D36	15.01.2019	Antheridiophore & Archegoniophore , Fertilization of <i>Marchantia</i>	1	SL
D37	16.01.2019	CAT1		
D38	17.01.2019	CAT1		
D39	18.01.2019	CAT1		
D40	21.01.2019	CAT1		
D41	22.01.2019	Secondary growth in roots, secondary growth of stem, structure of dwarf shoot of <i>Pinus</i>	1	SL
D42	23.01.2019	Habitat, Sporophytic structure(External & Internal) of <i>Pteris</i>	1	NJ
D43	24.01.2019	--		
D44	25.01.2019	--		
D45	28.01.2019	Sporophyte structure, Dehiscence of mature capsule and alternation of generation of <i>Marchantia</i>	1	SL
D46	29.01.2019	Reproduction & Life cycle of <i>Pinus</i>	1	SL
D47	30.01.2019	Reproduction, Gametophyte, Fertilization & Life cycle of <i>Pteris</i>	1	NJ
D48	31.01.2019	--		
D49	01.02.2019	--		
D50	04.02.2019	Habit & Thallus Organization (External & Internal structure), Vegetative reproduction of <i>Anthoceros</i>	1	SL
D51	05.02.2019	Evolutionary trends & Economic importance of gymnosperms	2	SL
D52	06.02.2019	External morphology of sporophyte, Internal structure, of <i>Marsilea</i>	1	NJ
D53	07.02.2019			
D54	08.02.2019			

D55	11.02.2019	Sex organs & Fertilization, Sporophyte structure, Dehiscence of sporogonium and alternation of generation of <i>Anthoceros</i>	2	SL
D56	12.02.2019	Geological time Scale	2	SL
D57	13.02.2019	Reproduction & Life cycle of <i>Marsilea</i>	1	NJ
D58	14.02.2019	--		
D59	15.02.2019	--		
D60	18.02.2019	Economic importance of Bryophytes	1	SL
D61	19.02.2019	Introduction of Palaeobotany, Fossil formation, types of fossils	1	SL
D62	20.02.2019	Stelar evolution in Pteridophytes	2	NJ
D63	21.02.2019	--		
D64	22.02.2019	--		
D65	25.02.2019	External morphology, Internal morphology, Reproduction , Fertilization and polyembryony of <i>Gnetum</i>	2	SL
D66	26.02.2019	Structure of gametophyte(Internal and External structure), Vegetative reproduction, Sex organs (Antheridium and Archegonium) of <i>Funaria</i>	2	SL
D67	27.02.2019	Apospory and Apogamy, Relationships of Pteridophytes	2	NJ
D68	28.02.2019	--		
D69	01.03.2019	--		
D70	05.03.2019	CAT II		
D71	06.03.2019	CAT II		
D72	07.03.2019	CAT II		
D73	08.03.2019	CAT II		
D74	11.03.2019	CAT II		
D75	12.03.2019	CAT II		
D76	13.03.2019	Economic importance of Pteridophytes	2	NJ

D77	14.03.2019	--		
D78	15.03.2019	--		
D79	18.03.2019	Fertilization, sporohyte, Dehiscence of sporogonium and alternation of generation of <i>Funaria</i>	1	SL
D80	19.03.2019	Fossil Pteridophytes- <i>Rhynia</i> , <i>Lepidodendron</i> , <i>Lepidocarpon</i>	1	SL
D81	20.03.2019	Revision of Pteridophytes	2	NJ
D82	21.03.2019	--		
D83	22.03.2019	--		
D84	25.03.2019	Fossil gymnosperm- <i>Lygenopteris</i> , Applied aspects of paleobotany	1	SL
D85	26.03.2019	--		
D86	27.03.2019	--		
D87	28.03.2019	--		
D88	29.03.2019	Revision of Bryophytes	2	SL
D89	01.04.2019	Revision of Pteridophytes	1	SL
D90	02.04.2019	ESE		
Total Instructional Hours			54	

Dr. Sinilal. B

Course Co-ordinator

HoD