DANTULURI NARAYANA RAJU COLLEGE(AUTONOMOUS)

(A College with Potential for Excellence)

Bhimavaram, W.G.Dist, A.P

Teaching Plan for the Academic Year 2018-19

Department :Botany Paper : IA-Microbial Divorsity&Algae,Fungi Class:I BZC Semester:I

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
June - 22	1 Week	04+02	Teaching Modal Paper&Syllabus.	
	2 Week	04+02	Origin and Evolution of Life – an outline	
	3 Week	04+02	Viruses: Structure, replication and transmission;	Assignment
	4 Week	04+02	Plant diseases caused by Viruses and their Control.	
July - 25	1 Week	04+02	Bacteria: Structure, nutrition, reproduction and economic importance	Visit Museum
	2 Week	04+02	Plant Diseases of Important Crop Plants caused by Bacteria and their Control.	
	3 Week	04+02	Cyanobacteria: General account of Cell, Bio-fertilizers	Assignment
	4 Week	04+02	. Structure and Life history of Oscillatoria,Nostoc and Anabaena.	
Aug - 24	1 Week	04+02	Algae: General account thallus organization, structure, Reproduction.	Field visit
	2 Week	04+02	Classification&Economic Importance of Algae.	
	3 Week		CAT-I Exams	
	4 Week	04+02	Structure, reproduction, life history and systematic position of Oedogonium	Assignment
Sept - 21	1 Week	04+02	Coleochaete, Chara, Ectocarpus and Polysiphonia.	
	2 Week	04+02	**Fungi:** General characters, classification and economic importance.	Museum visit
	3 Week	04+02	Structure, reproduction and life history of Rizopous, Penicillium, Puccinia	
	4 Week		CAT-II Exams	
Oct- 19	1 Week	04+02	General account of plant diseases caused by Fungi and their control.	
	2 Week	04+02	**Lichens:** Structure and reproduction; ecological and economic importance.	Assignment
	3 Week		Semester-end Examinations	
	4 Week			
Nov- 09	1 Week		Semester-end Examinations	
	2 Week			

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Teaching Plan for the Academic Year 2018-19:

Department :Botany Paper 1B: Diversity of Archaegoniates &Plant Anatomy Class:I BZC Semester:II

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
Nov - 13	3 Week	04+02	Teaching Modal Paper&Syllabus.	
	4 Week	04+02	Bryophytes: General Characters, classification and alternation of generations	
Dec - 23	1 Week	04+02	Structure, reproduction, life history and systematic position of Marchantia	Assignment
	2 Week	04+01	Anthoceros and Polytrichum	
	3 Week	04+02	Pteridophytes: General Characters, classification, Alternation of Generations	Visit Museum
	4 Week	04+01	Evolution of Sporophyte.	
Jan - 18	1 Week		CAT-I Exams	
	2 Week	04+02	Structure, reproduction, Life History and systematic position of Lycopodium	
	3 Week	04+02	Equisetum and Marsilea.	Field visit
	4 Week	04+02	Evolution of stele, heterospory and seed habit in Pteridophytes.	
Feb - 21	1 Week	04+02	Gymnosperms: General Characters, Structure, Reproduction and classification	
	2 Week	04+02	Morphology of Vegetative and Reproductive parts, systematic position, life history of Pinus,Gnetum.	Assignment
	3 Week	04+02	Meristems: Types, Histological organization of shoot and root apices and theories	
	4 Week	04+01	Primary shoot in Dicots and Monocts, Tissues and Tissue systems; simple and complex	Museum visit
Mar - 24	1 Week		CAT-II Exams	
	2 Week	04+02	Anomalous secondary growth – general account. - Achyranthes, Boerhavia, Dracaena	
	3 Week		Semester-end Examinations	
	4 Week			

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DANTULURI NARAYANA RAJU COLLEGE(AUTONOMOUS)

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Teaching Plan for the Academic Year 2017-18

Department:Botany Paper:I A-Microbial Diversity and Algae,Fungi Class:I BZC Semester:I

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
June - 24	1 Week	04+02	Teaching Modal Paper&Syllabus.	
	2 Week	04+02	Origin and Evolution of Life – an outline	
	3 Week	04+02	Viruses: Structure, replication and transmission;	Assignment
	4 Week	04+02	Plant diseases caused by Viruses and their Control.	
July - 25	1 Week	04+02	Bacteria: Structure, nutrition, reproduction and economic importance	Visit Museum
	2 Week	04+02	Plant Diseases of Important Crop Plants caused by Bacteria and their Control.	
	3 Week	04+02	Cyanobacteria: General account of Cell, Bio-fertilizers	Assignment
	4 Week	04+02	. Structure and Life history of Oscillatoria,Nostoc and Anabaena.	
Aug - 21	1 Week	04+02	Algae: General account thallus organization, structure, Reproduction.	Field visit
	2 Week	04+02	Classification&Economic Importance of Algae.	
	3 Week		CAT-I Exams	
	4 Week	04+02	Structure, reproduction, life history and systematic position of Oedogonium	Assignment
Sept - 18	1 Week	04+02	, Ectocarpus and Polysiphonia.	
	2 Week	04+02	**Fungi:** General characters, classification and economic importance.	
	3 Week	04+02	Structure, reproduction and life history of Albugo. Saccharomyces	
	4 Week	04+02	Penicillium, Puccinia, Alternaria	Museum visit
Oct- 22	1 Week		CAT-II Exams	
	2 Week	04+02	. General account of plant diseases caused by Fungi and their control.	Assignment
	3 Week	04+02	. **Lichens:** Structure and reproduction; ecological and economic importance.	
	4 Week			
Nov- 11	1 Week		Semester-end Examinations	
	2 Week			

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Teaching Plan for the Academic Year 2017-18

Department :Botany Paper IB: Diversity of Archaegoniates &Plant Anatomy Class:I BZC Semester:II

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
Nov - 14	3 Week	04+02	Teaching Modal Paper&Syllabus.	
	4 Week	04+02	Bryophytes: General Characters, classification and alternation of generations	
Dec - 23	1 Week	04+02	Structure, reproduction, life history and systematic position of Marchantia	Assignment
	2 Week	04+01	Anthoceros and Polytrichum	
	3 Week	04+02	Pteridophytes: General Characters, classification, Alternation of Generations	Visit Museum
	4 Week		CAT-I Exams	
Jan - 17	1 Week	04+02	Evolution of Sporophyte.	
	2 Week	04+02	Structure, reproduction, Life History and systematic position of Rhynia,	
	3 Week	04+02	Lycopodium, Equisetum and Marsilea.	Field visit
	4 Week		Evolution of stele, heterospory and seed habit in Pteridophytes.	
Feb - 22	1 Week	04+02	Gymnosperms: General Characters, Structure, Reproduction and classification	
	2 Week	04+02	Morphology of Vegetative and Reproductive parts, systematic position, life history of Pinus,Gnetum.	Assignment
	3 Week	04+02	Meristems: Types, Histological organization of shoot and root apices and theories	
	4 Week		CAT-II Exams	
Mar - 23	1 Week	04+02	Primary shoot in Dicots and Monocts, Tissues and Tissue systems; simple and complex	Museum visit
	2 Week	04+02	Anomalous secondary growth – general account. - Achyranthes, Boerhavia, Dracaena	
	3 Week		Semester-end Examinations	
	4 Week			

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Teaching Plan for the Academic Year 2016-17

Department :Botany Paper :I A-Microbial Diversity and Algae,Fungi Class:I BZC Semester:I

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
June - 26	1 Week	04+02	Teaching Modal Paper&Syllabus.	
	2 Week	04+02	Origin and Evolution of Life – an outline	
	3 Week	04+02	Viruses: Structure, replication and transmission;	Assignment
	4 Week	04+02	Plant diseases caused by Viruses and their Control.	
July - 24	1 Week	04+02	Bacteria: Structure, nutrition, reproduction and economic importance	Visit Museum
	2 Week	04+02	Plant Diseases of Important Crop Plants caused by Bacteria and their Control.	
	3 Week	04+02	Cyanobacteria: General account of Cell, Bio-fertilizers	Assignment
	4 Week	04+02	Structure and Life history of Oscillatoria,Nostoc and Anabaena.	
Aug - 22	1 Week		CAT-I Exams	Field visit
	2 Week	04+02	Algae: General account thallus organization, structure, Reproduction.	
	3 Week	04+02	Classification&Economic Importance of Algae.	
	4 Week	04+02	Structure, reproduction, life history and systematic position of Oedogonium	Assignment
Sept - 23	1 Week	04+02	Coleochaete, Chara, Ectocarpus and Polysiphonia.	
	2 Week	04+02	**Fungi:** General characters, classification and economic importance.	
	3 Week		CAT-II Exams	
	4 Week	04+02	Structure, reproduction and life history of Rizopous, Penicillium, Puccinia.	Museum visit
Oct- 18	1 Week	04+02	General account of plant diseases caused by Fungi and their control.	
	2 Week	04+02	**Lichens:** Structure and reproduction; ecological and economic importance.	
	3 Week			
	4 Week			
Nov- 11	1 Week		Semester-end Examinations	
	2 Week			

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Teaching Plan for the Academic Year 2016-17

Department :Botany Paper IB: Diversity of Archaegoniates &Plant Anatomy Class:I BZC Semester:II

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
Nov - 14	3 Week	04+02	Teaching Modal Paper&Syllabus.	
	4 Week	04+02	Bryophytes: General Characters, classification and alternation of generations	
Dec - 24	1 Week	04+02	Structure, reproduction, life history and systematic position of Marchantia	Assignment
	2 Week	04+01	Anthoceros and Polytrichum	
	3 Week		CAT-I Exams	Visit Museum
	4 Week	04+01	Pteridophytes: General Characters, classification, Alternation of Generations	
Jan - 19	1 Week	04+02	Evolution of Sporophyte.	
	2 Week	04+02	Structure, reproduction, Life History and systematic position of Rhynia,	
	3 Week	04+02	Lycopodium, Equisetum and Marsilea.	Field visit
	4 Week	04+02	Evolution of stele, heterospory and seed habit in Pteridophytes.	
Feb - 20	1 Week	04+02	Gymnosperms: General Characters, Structure, Reproduction and classification	
	2 Week	04+02	Morphology of Vegetative and Reproductive parts, systematic position, life history of Pinus,Gnetum.	Assignment
	3 Week	04+02	Meristems: Types, Histological organization of shoot and root apices and theories	
	4 Week		CAT-II Exams	
Mar - 25	1 Week	04+02	Primary shoot in Dicots and Monocts, Tissues and Tissue systems; simple and complex	
	2 Week	04+02	Anomalous secondary growth – general account. - Achyranthes, Boerhavia, Dracaena	Museum visit
	3 Week		Semester-end Examinations	
	4 Week			

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DANTULURI NARAYANA RAJU COLLEGE(AUTONOMOUS)

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Teaching Plan for the Academic Year 2015-16

Deportment:Botany Paper:IA-Evolution of Life & Diversity of Microbes,Algae and Fungi Class-IBZC Semester-I

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
June - 22	1 Week	04+02	Teaching Modal Paper&Syllabus.	
	2 Week	03+02	Origin and Evolution of Life – an outline	
	3 Week	04+02	Viruses: Structure, replication and transmission;	Assignment
	4 Week	02+02	Plant diseases caused by Viruses and their Control.	
July - 25	1 Week	04+02	Bacteria: Structure, nutrition, reproduction and economic importance	
	2 Week	04+02	Plant Diseases of Important Crop Plants caused by Bacteria and their Control.	Field visit
	3 Week	02+02	Cyanobacteria: General account of Cell, Bio-fertilizers	
	4 Week	04+02	. Structure and Life history of Oscillatoria,Nostoc and Anabaena.	
Aug - 22	1 Week	02+02	Algae: General account thallus organization, structure, Reproduction.	
	2 Week	04+02	Classification&Economic Importance of Algae.	Museum visit
	3 Week	03+01	Structure, reproduction, life history and systematic position of Oedogonium	
	4 Week		CAT-I Exams	
Sept - 23	1 Week	04+02	Coleochaete, Chara, Ectocarpus and Polysiphonia.	Assignment
	2 Week	03+01	**Fungi:** General characters, classification and economic importance.	
	3 Week	04+02	Structure, reproduction and life history of Albugo. Saccharomyces	
	4 Week	03+01	Penicillium, Puccinia, Alternaria	Assignment
Oct- 19	1 Week	04+02	. General account of plant diseases caused by Fungi and their control.	
	2 Week	04+02	. **Lichens:** Structure and reproduction; ecological and economic importance.	
	3 Week		CAT-II Exams	
	4 Week			
Nov- 09	1 Week		Semester-end Examinations	
	2 Week			

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Teaching Plan for the Academic Year 2015-16

Department :Botany Paper:IB-Bryophyta,Pteridophyta,Gymnosperms&Paleobotany Class-IBZC Semester-II

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
Nov - 13	3 Week	04+02	Teaching Modal Paper&Syllabus.	
	4 Week	04+02	Bryophytes: General Characters, classification and alternation of generations	
Dec - 24	1 Week	04+02	Structure, reproduction, life history and systematic position of Marchantia	Assignment
	2 Week	04+01	Anthoceros and Polytrichum	
	3 Week	04+02	Pteridophytes: General Characters, classification, Alternation of Generations	Visit Museum
	4 Week	04+01	Evolution of Sporophyte.	
Jan - 17	1 Week		CAT-I Exams	Assignment
	2 Week	04+02	Structure, reproduction, Life History and systematic position of Rhynia,	
	3 Week	04+02	Lycopodium, Equisetum and Marsilea.	Field visit
	4 Week		Evolution of stele, heterospory and seed habit in Pteridophytes.	
Feb - 19	1 Week	04+02	Gymnosperms: General Characters, Structure, Reproduction and classification	
	2 Week	04+02	Morphology of Vegetative and Reproductive parts, systematic position, life history of Pinus,Gnetum.	Assignment
	3 Week	04+02	Palaeobotany: Introduction, Fossils and Fossilization	
	4 Week	04+01	CAT-II Exams	Museum visit
Mar - 23	1 Week	04+02	Geological Time scale, importance of Fossils.	
	2 Week	04+02	Bennetitales: General account	
	3 Week		Semester-end Examinations	
	4 Week			Assignment

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Teaching Plan for the Academic Year 2014-15

Deportment:Botany Paper:IA-Evolution of Life & Diversity of Microbes,Algae and Fungi Class-IBZC Semester-I

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
June - 24	1 Week	04+02	Teaching Modal Paper&Syllabus.	
	2 Week	04+02	Origin and Evolution of Life – an outline	
	3 Week	04+02	Viruses: Structure, replication and transmission;	Assignment
	4 Week	04+01	Plant diseases caused by Viruses and their Control.	
July - 25	1 Week	04+02	Bacteria: Structure, nutrition, reproduction and economic importance	Visit Museum
	2 Week	04+01	Plant Diseases of Important Crop Plants caused by Bacteria and their Control.	
	3 Week	04+02	Cyanobacteria: General account of Cell, Bio-fertilizers	Assignment
	4 Week	04+02	. Structure and Life history of Oscillatoria,Nostoc and Anabaena.	
Aug - 21	1 Week	04+02	Algae: General account thallus organization, structure, Reproduction.	Field visit
	2 Week		Classification&Economic Importance of Algae.	
	3 Week	04+02	Structure, reproduction, life history and systematic position of Oedogonium	
	4 Week	04+02	Coleochaete, Chara, Ectocarpus and Polysiphonia.	Assignment
Sept - 23	1 Week		CAT-I Exams	
	2 Week	04+01	**Fungi:** General characters, classification and economic importance.	Museum visit
	3 Week	04+02	Structure, reproduction and life history of Albugo. Saccharomyces	
	4 Week	04+02	Penicillium, Puccinia, Alternaria	
Oct- 19	1 Week	04+02	General account of plant diseases caused by Fungi and their control.	
	2 Week	04+02	**Lichens:** Structure and reproduction; ecological and economic importance.	Assignment
	3 Week		CAT-II Exams	
	4 Week			
Nov- 10	1 Week		Semester-end Examinations	
	2 Week			

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Teaching Plan for the Academic Year 2014-15

Department :Botany Paper:IB-Bryophyta,Pteridophyta,Gymnosperms&Paleobotany Class-IBZC Semester-II

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
Nov - 13	3 Week	04+02	Teaching Modal Paper&Syllabus.	
	4 Week	04+02	Bryophytes: General Characters, classification and alternation of generations	
Dec - 24	1 Week	04+02	Structure, reproduction, life history and systematic position of Marchantia	Assignment
	2 Week	04+01	Anthoceros and Polytrichum	
	3 Week	04+02	Pteridophytes: General Characters, classification, Alternation of Generations	Visit Museum
	4 Week	04+01	Evolution of Sporophyte.	
Jan - 17	1 Week	04+02	Structure, reproduction, Life History and systematic position of Rhynia,	Assignment
	2 Week		CAT-I Exams	
	3 Week	04+02	Lycopodium, Equisetum and Marsilea.	Field visit
	4 Week	04+02	Evolution of stele, heterospory and seed habit in Pteridophytes.	
Feb - 22	1 Week	04+02	Gymnosperms: General Characters, Structure, Reproduction and classification	
	2 Week	04+02	Morphology of Vegetative and Reproductive parts, systematic position, life history of Pinus.Gnetum	Assignment
	3 Week	04+02	Palaeobotany: Introduction, Fossils and Fossilization	
	4 Week	04+01	Geological Time scale, importance of Fossils.	Museum visit
Mar - 22	1 Week		CAT- II Exams	
	2 Week	04+02	Bennetitales: General account	
	3 Week		Semester-end Examinations	
	4 Week			Assignment

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Teaching Plan for the Academic Year 2013-14

Deportment:Botany Paper:IA-Evolution of Life & Diversity of Microbes,Algae and Fungi Class-IBZC Semester-I

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
June - 10	1 Week	04+02	Teaching Modal Paper&Syllabus.	
	2 Week	04+02	Origin and Evolution of Life – an outline	
	3 Week	04+02	Viruses: Structure, replication and transmission;	Assignment
	4 Week	04+01	Plant diseases caused by Viruses and their Control.	
July - 26	1 Week	04+02	Bacteria: Structure, nutrition, reproduction and economic importance	Visit Museum
	2 Week	04+01	Plant Diseases of Important Crop Plants caused by Bacteria and their Control.	
	3 Week	04+02	Cyanobacteria: General account of Cell, Bio-fertilizers	Assignment
	4 Week	04+02	Structure and Life history of Oscillatoria,Nostoc and Anabaena.	
Aug - 21	1 Week	04+02	Algae: General account thallus organization, structure, Reproduction.	Field visit
	2 Week		CAT-II Exams	
	3 Week	04+02	Classification&Economic Importance of Algae.	
	4 Week	04+02	Structure, reproduction, life history and systematic position of Oedogonium	Assignment
Sept - 23	1 Week	04+02	Coleochaete, Chara, Ectocarpus and Polysiphonia.	
	2 Week	04+01	**Fungi:** General characters, classification and economic importance.	Museum visit
	3 Week	04+02	Structure, reproduction and life history of Albugo. Saccharomyces	
	4 Week	04+02	Penicillium, Puccinia, Alternaria	
Oct- 26	1 Week	04+02	General account of plant diseases caused by Fungi and their control.	
	2 Week	04+02	**Lichens:** Structure and reproduction; ecological and economic importance.	Assignment
	3 Week		CAT-II Exams	
	4 Week			
Nov- 10	1 Week		Semester-end Examinations	
	2 Week			

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TeachingPlan

Teaching plan for the Academic Year 2013-14

Department :Botany Paper:IB-Bryophyta,Pteridophyta,Gymnosperms&Paleobotany Class-IBZC Semester-II

Month & No.of Working Days	Week	No.of Periods Per week	Topics to be covered	Co-Curricular Activity
Nov - 13	3 Week	04+02	Teaching Modal Paper&Syllabus.	
	4 Week	04+02	Bryophytes: General Characters, classification and alternation of generations	Assignment
Dec - 23	1 Week	04+02	Structure, reproduction, life history and systematic position of Marchantia	
	2 Week	04+01	Anthoceros and Polytrichum	Visit Museum
	3 Week	04+02	Pteridophytes: General Characters, classification, Alternation of Generations	
	4 Week	04+01	Evolution of Sporophyte.	Assignment
Jan - 19	1 Week	04+02	Structure, reproduction, Life History and systematic position of Rhynia,	
	2 Week	04+02	Lycopodium, Equisetum and Marsilea.	Field visit
	3 Week	04+02	Evolution of stele, heterospory and seed habit in Pteridophytes.	
	4 Week		CAT-I Exams	
Feb - 21	1 Week	04+02	Gymnosperms: General Characters, Structure, Reproduction and classification	Assignment
	2 Week		CAT-II Exams	
	3 Week	04+02	Morphology of Vegetative and Reproductive parts, systematic position, life history of Pinus,Gnetum.	
	4 Week	04+01	Palaeobotany: Introduction, Fossils and Fossilization	
Mar - 22	1 Week	04+02	Geological Time scale, importance of Fossils.	Museum visit
	2 Week	04+02	Bennetitales: General account	
	3 Week		Semester-end Examinations	
	4 Week			

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