

महाराणा प्रताप पी.जी. कालज, जंगल धूसनड़

कक्षा : एम.एस-सी. Semester III			पाठ्यक्रम योजना : सत्र 2020-21		विषय : वनस्पति विज्ञान
दिनांक	व्याख्या न	पाठ्यापक का नाम	पङ् नपत्र	अध्या य	शैक
16.07.2020	1	Dr. A.K.S	III	Ecology	Concept and scope of ecology
16.07.2020	1	Miss Amrapali	I	Pt. Biochemistry	Composition, structure and functions of carbohydrates
17.07.2020	1	Miss Amrapali	II	Pt. Physiology	Photosynthetic pigments and light harvesting complexes
17.07.2020	1	Dr. A.K.S	IV	Pt. Pathology	The concept of disease in plants.
18.07.2020	2	Miss Amrapali	I	Pt. Biochemistry	Lipids
18.07.2020	2	Dr. A.K.S	III	Ecology	Collective, and emergent properties,
20.07.2020	2	Miss Amrapali	II	Pt. Physiology	Photo-oxidation of water, mechanism of electron and proton transport
20.07.2020	2	Dr. A.K.S	IV	Pt. Pathology	Importance of plant disease
21.07.2020	3	Miss Amrapali	I	Pt. Biochemistry	Proteins
21.07.2020	3	Miss Amrapali	II	Pt. Physiology	Carbon assimilation
22.07.2020	3	Dr. A.K.S	III	Ecology	Habitat and niche
22.07.2020	-		-	Class Teaching	
23.07.2020	3	Dr. A.K.S	IV	Pt. Pathology	Mechanism of attack by plant pathogens
23.07.2020	4	Miss Amrapali	I	Pt. Biochemistry	Stabilizing interactions (vander waals, electrostatic
24.07.2020	4	Miss Amrapali	II	Pt. Physiology	Regulation of Calvin cycle;
24.07.2020	4	Dr. A.K.S	III	Ecology	Niche width and overlap
27.07.2020	4	Dr. A.K.S	IV	Pt. Pathology	Microbial enzyme, toxins and growth regulators.
27.07.2020	5	Miss Amrapali	I	Pt. Biochemistry	Stabilizing interactions (hydrogen bonding and hydrophobic interactions etc.)
28.07.2200	5	Miss Amrapali	II	Pt. Physiology	Photorespiration and its significance
28.07.2200	5	Dr. A.K.S	III	Ecology	Fundamental and realized niche
29.07.2020	5	Dr. A.K.S	IV	Pt. Pathology	Variability in plant pathogens
29.07.2020	6	Miss Amrapali	I	Pt. Biochemistry	Conformation of proteins ramchandran plot
30.07.2020	-		-	Class Teaching	
30.07.2020	6	Miss Amrapali	II	Pt. Physiology	C3 plants
31.07.2020	6	Dr. A.K.S	III	Ecology	Resource partitioning, character displacement
31.07.2020	7	Miss Amrapali	I	Pt. Biochemistry	Secondary structure, domains, motif and folds peptide bond.
04.08.2020	6	Dr. A.K.S	IV	Pt. Pathology	Types of variation; mechanism of variability
04.08.2020	7	Miss Amrapali	II	Pt. Physiology	C4 and
05.08.2020	8	Miss Amrapali	I	Pt. Biochemistry	Enzymes: regulatory and active sites

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पाठ्यक्रम याचना : सत्र 2020-2021

विषय : वनस्पति विज्ञान

दिनांक	व्याख्या न	पाठ्यापक का नाम	पृष्ठ नम्बर	अध्याय	शैक
05.08.2020	7	Dr. A.K.S	III	Ecology	Natality, mortality, survivorship growth
06.08.2020	8	Miss Amrapali	II	Pt. Physiology	CAM pathways
06.08.2020	7	Dr. A.K.S	IV	Pt. Pathology	Effect of environmental on development of infectious disease of plants
07.08.2020	8	Dr. A.K.S	III	Ecology	Rates of population
07.08.2020	8	Dr. A.K.S	IV	Epidemiology	Plant disease forecasting.
08.08.2020	9	Miss Amrapali	I	Pt. Biochemistry	Activation energy
08.08.2020	-		-	Class Teaching	
10.08.2020	9	Dr. A.K.S	III	Ecology	Growth curve
10.08.2020	9	Miss Amrapali	II	Pt. Physiology	Water potential, transport of water
11.08.2020	10	Dr. A.K.S	III	Ecology	Biotic potential,
11.08.2020	10	Miss Amrapali	II	Pt. Physiology	Solutes and translocation
13.08.2020	10	Miss Amrapali	I	Pt. Biochemistry	Isozymes,.
13.08.2020	9	Dr. A.K.S	IV	Pt. Pathology	Transmission of plant diseases caused by viral pathogens
14.08.2020	11	Miss Amrapali	II	Pt. Physiology	Uptake transport
14.08.2020	10	Dr. A.K.S	IV	Pt. Pathology	Methods of study of infectious diseases of plants: isolation of pathogens
17.08.2020	11	Miss Amrapali	I	Pt. Biochemistry	Principles of catalysis, kinetics of enzymatic catalysis
17.08.2020	11	Dr. A.K.S	III	Ecology	Carrying capacity and environmental resistance
18.08.2020	-		-	Class Teaching	
18.08.2020	11	Dr. A.K.S	IV	Pt. Pathology	Tests of pathogenicity
19.08.2020	12	Dr. A.K.S	III	Ecology	Competition-coexistence models,
19.08.2020	12	Miss Amrapali	II	Pt. Physiology	Translocation of water, ions, solutes from soil, through xylem and phloem
20.08.2020	12	Dr. A.K.S	IV	Pt. Pathology	Principles and methods of plant disease control.
20.08.2020	12	Miss Amrapali	I	Pt. Biochemistry	Michaelis-menten equation, its derivation and significance
21.08.2020	13	Miss Amrapali	I	Pt. Biochemistry	Michaelis-menten equation, its derivation and significance
21.08.2020	13	Dr. A.K.S	III	Ecology	Concept Of Meta population
22.08.2020	13	Miss Amrapali	II	Pt. Physiology	Mechanism of loading and unloading of photoassimilates
22.08.2020	13	Dr. A.K.S	IV	Pt. Pathology	Control through regulatory methods
24.08.2020	14	Miss Amrapali	I	Pt. Biochemistry	Coenzymes: structure and classification of coenzymes

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III Semester			2020-2021		fo"kk; % ouLifr foKku
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24.08.2020	14	Miss Amrapali	II	Pt. Physiology	Respiration: glycolysis
25.08.2020	-		-	Monthly Evaluation	
25.08.2020	14	AKS	IV	Introduction	Internal
26.08.2020	14	Dr. A.K.S	III	Ecology	Life history strategies (r& k selection).
26.08.2020	15	Miss Amrapali	I	Pt. Biochemistry	Prosthetic group and cofactors;
27.08.2020	14	Dr. A.K.S	IV	Pt. Pathology	Plant quarantine.
27.08.2020	15	Dr. A.K.S	III	Ecology	Community ecology
28.08.2020	15	Miss Amrapali	II	Pt. Physiology	TCA cycle
28.08.2020	15	Dr. A.K.S	IV	Pt. Pathology	Cultural and biological methods of control.
01.09.2020	16	Miss Amrapali	I	Pt. Biochemistry	Role of vitamins as coenzymes
01.09.2020	16	Miss Amrapali	II	Pt. Physiology	Electron transport in plant mitochondria and ATP synthesis,
02.09.2020	16	Dr. A.K.S	III	Ecology	Community vs. Continuum concept
02.09.2020	16	Dr. A.K.S	IV	Pt. Pathology	Control through physical means.
03.09.2020	-		-	Class Teaching	
03.09.2020	17	Miss Amrapali	I	Pt. Biochemistry	Allosteric enzymes
04.09.2020	17	Dr. A.K.S	IV	Pt. Pathology	Chemical method for plant disease control: Fungicides, chemotherapy
04.09.2020	17	Miss Amrapali	II	Pt. Physiology	Pentose Phosphate pathway
05.09.2020	17	Dr. A.K.S	III	Ecology	Bioenergetics of ecological succession,
05.09.2020	18	Miss Amrapali	I	Pt. Biochemistry	Ribozymes,
07.09.2020	18	Miss Amrapali	II	Pt. Physiology	Glyoxylate cycle.
07.09.2020	18	Dr. A.K.S	III	Ecology	Type of succession
08.09.2020	19	Miss Amrapali	I	Pt. Biochemistry	Abzymes,
08.09.2020	18	Dr. A.K.S	IV	Pt. Pathology	Use of resistant varieties
09.09.2020	19	Miss Amrapali	II	Pt. Physiology	Structure ,synthesis of saturated , unsaturated fatty acids
09.09.2020	19	Dr. A.K.S	III	Ecology	Climax theories
10.09.2020	-		-	Class Teaching	
10.09.2020	19	Dr. A.K.S	IV	Pt. Pathology	Importance, symptoms, causal organism, disease cycle and control of following diseases of crop caused by fungi:
11.09.2020	20	Dr. A.K.S	III	Ecology	Analytical and synthetic characters of community,
11.09.2020	20	Miss Amrapali	II	Pt. Physiology	Synthesis of fats and lipids
12.09.2020	20	Dr. A.K.S	IV	Pt. Pathology	Rots diseases with special reference to fruit and stem end rot of papaya
12.09.2020	20	Miss Amrapali	I	Pt. Biochemistry	Enzyme regulation

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14.09.2020	21	Miss Amrapali	II	Pt. Physiology	(A, β and ω oxidation).
14.09.2020	21	Dr. A.K.S	I	Pt. Biochemistry	Bioenergetics: laws of thermodynamics
15.09.2020	21	Miss Amrapali	IV	Pt. Pathology	Damping off of seedlings of crop plants
15.09.2020	21	Dr. A.K.S	III	Ecology	Biodiversity status
16.09.2020	22	Dr. A.K.S	I	Pt. Biochemistry	Its application in biological systems
16.09.2020	22	Dr. A.K.S	III	Ecology	Major drivers of biodiversity change
18.09.2020	22	Miss Amrapali	II	Pt. Physiology	Growth Regulators: Structure, biosynthesis, storage, break down and transport. Auxins
18.09.2020	-		-	Class Teaching	
19.09.2020	22	Miss Amrapali	IV	Pt. Pathology	Downy mildews of cucurbits.
19.09.2020	23	Dr. A.K.S	I	Pt. Biochemistry	Concept of entropy and enthalpy
21.09.2020	23	Miss Amrapali	II	Pt. Physiology	Gibberellins
21.09.2020	23	Dr. A.K.S	III	Ecology	Indices of diversity
22.09.2020	23	Miss Amrapali	IV	Pt. Pathology	Rust of wheat and Barley
22.09.2020	24	Miss Amrapali	II	Pt. Physiology	Cytokinins
23.09.2020	24	Dr. A.K.S	I	Pt. Biochemistry	Concept of free energy
23.09.2020	24	Miss Amrapali	IV	Pt. Pathology	Powdery mildew of pea
24.09.2020	24	Dr. A.K.S	III	Ecology	Diversity and stability of ecosystem,
24.09.2020	25	Dr. A.K.S	I	Pt. Biochemistry	Energetic coupling
25.09.2020	25	Miss Amrapali	II	Pt. Physiology	Cytokinins,
25.09.2020	-		-	Monthly Evaluation	
26.09.2020	25	Miss Amrapali	IV	Pt. Pathology	Smuts and Bunts: Covered smut of Barley
26.09.2020	25	Dr. A.K.S	III	Ecology	Edges and ecotones
28.09.2020	26	Dr. A.K.S	I	Pt. Biochemistry	Redox systems
28.09.2020	26	Miss Amrapali	II	Pt. Physiology	Ethylene
29.09.2020	26	Dr. A.K.S	III	Ecology	Species interactions
29.09.2020	26	Miss Amrapali	IV	Pt. Pathology	Loose smut of wheat and Bunt of rice
30.09.2020	27	Miss Amrapali	II	Pt. Physiology	Abscissic acid,
30.09.2020	27	Dr. A.K.S	I	Pt. Biochemistry	Standard redox potential in living systems
01.10.2020	27	Dr. A.K.S	III	Ecology	Co-evolution

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III Semester

2020-2021

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01.10.2020	27	Miss Amrapali	IV	Pt. Pathology	Wilt of sugarcane.
03.10.2020	-		-	Class Teaching	
03.10.2020	28	Dr. A.K.S	I	Pt. Biochemistry	Substrate level phosphorylation
05.10.2020	28	Miss Amrapali	II	Pt. Physiology	Brassinosteroids, jasmonates,
05.10.2020	28	Dr. A.K.S	III	Ecology	Ecosystem ecology:
06.10.2020	28	Miss Amrapali	IV	Pt. Pathology	Leaf spots: leaf spot of turmeric;
06.10.2020	29	Dr. A.K.S	I	Pt. Biochemistry	Nucleic acids: biosynthesis and degradation
07.10.2020	29	Miss Amrapali	II	Pt. Physiology	Salicylic Acid and Strigolactones
07.10.2020	29	Dr. A.K.S	III	Ecology	Concept of ecosystem
09.10.2020	29	Miss Amrapali	IV	Pt. Pathology	Leaf blight of wheat.
09.10.2020	30	Dr. A.K.S	I	Pt. Biochemistry	Purines
10.10.2020	30	Miss Amrapali	II	Pt. Physiology	Physiological effects and molecular mechanism of action of auxins, gibberellins
10.10.2020	30	Dr. A.K.S	III	Ecology	Trophic structure, food chain
12.10.2020	-		-	Class Teaching	
12.10.2020	30	Miss Amrapali	IV	Pt. Pathology	Blast disease of rice
13.10.2020	31	Miss Amrapali	II	Pt. Physiology	Cytokinins, ethylene
13.10.2020	31	Dr. A.K.S	I	Pt. Biochemistry	Pyrimidines
14.10.2020	31	Miss Amrapali	IV	Pt. Pathology	Mango anthracnose
14.10.2020	31	Dr. A.K.S	III	Ecology	Energy flow,
15.10.2020	32	Miss Amrapali	II	Pt. Physiology	Abscissic acid, brassinosteroids, jasmonates, salicylic acid and strigolactones
15.10.2020	32	Dr. A.K.S	I	Pt. Biochemistry	Biochemical techniques
16.10.2020	32	Miss Amrapali	IV	Pt. Pathology	Galls and other abnormalities: stem gall of coriander leaf curl of Peach
16.10.2020	32	Dr. A.K.S	III	Ecology	Productivity and energy subsidy;
17.10.2020	33	Dr. A.K.S	I	Pt. Biochemistry	Different types of chromatographic techniques
17.10.2020	33	Miss Amrapali	II	Pt. Physiology	Physiology of Floral Induction photoperiodism and its significance
19.10.2020	33	Dr. A.K.S	III	Ecology	Global carbon cycle
19.10.2020	-		-	Class Teaching	
20.10.2020	33	Miss Amrapali	IV	Pt. Pathology	Study of importance, symptoms, causal organism, disease cycle and control of following diseases of crop plants in Uttar Pradesh caused by bacteria
20.10.2020	34	Dr. A.K.S	I	Pt. Biochemistry	Ion exchange chromatography
21.10.2020	34	Miss Amrapali	II	Pt. Physiology	CO, FT and Hd1 proteins,

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21.10.2020	34	Dr. A.K.S	III	Ecology	Ecosystem services
22.10.2020	34	Miss Amrapali	IV	Pt. Pathology	Citrus canker
22.10.2020	35	Dr. A.K.S	I	Pt. Biochemistry	Affinity chromatography,
23.10.2020	35	Miss Amrapali	II	Pt. Physiology	Vernalization,
23.10.2020	35	Dr. A.K.S	III	Ecology	Restoration ecology
29.10.2020	35	Miss Amrapali	IV	Pt. Pathology	Tundu disease of wheat
29.10.2020	-			Seminar	Introducing technique
31.10.2020	36	Dr. A.K.S	I	Pt. Biochemistry	Electrophoresis and
31.10.2020	-		-	Monthly Evaluation	
02.11.2020	36	Miss Amrapali	II	Pt. Physiology	Homeotic genes, quartet (abce) model of flowering
02.11.2020	36	Dr. A.K.S	III	Ecology	Structure and function of some indian ecosystems: terrestrial (forest,
03.11.2020	36	Miss Amrapali	IV	Pt. Pathology	Viruses, mosaics of tobacco
03.11.2020	37	Dr. A.K.S	I	Pt. Biochemistry	Electrofocussing,
04.11.2020	37	Miss Amrapali	II	Pt. Physiology	History, discovery, photochemical biochemical properties and photophysiology of light induced responses by the photoreceptors: phytochromes
04.11.2020	37	Dr. A.K.S	III	Ecology	Grassland)
05.11.2020	38	Dr. A.K.S	I	Pt. Biochemistry	Centrifugation
05.11.2020	38	Miss Amrapali	II	Pt. Physiology	Cryptochromes,
06.11.2020	37	Miss Amrapali	IV	Pt. Pathology	Papaya,
06.11.2020	38	Dr. A.K.S	III	Ecology	Aquatic (freshwater
07.11.2020	38	Miss Amrapali	IV	Pt. Pathology	Potato
07.11.2020	-		-	Class Teaching	
09.11.2020	39	Dr. A.K.S	I	Pt. Biochemistry	Ultracentrifugation
09.11.2020	39	Miss Amrapali	II	Pt. Physiology	Phototropins
10.11.2020	39	Dr. A.K.S	III	Ecology	Marine
10.11.2020	39	Miss Amrapali	IV	Pt. Pathology	Tungro of rice
17.11.2020	40	Dr. A.K.S	I	Pt. Biochemistry	Density gradient centrifugation
17.11.2020	40	Miss Amrapali	II	Pt. Physiology	Phototropins
18.11.2020	40	Miss Amrapali	IV	Phytoplasmal diseases:	Grassy shoot of sugarcane
18.11.2020	40	Dr. A.K.S	III	Ecology	Estuarine

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19.11.2020	41	Dr. A.K.S	I	Pt. Biochemistry	Tracer techniques
19.11.2020	41	Miss Amrapali	II	Pt. Physiology	G discussion
21.11.2020	41	Miss Amrapali	IV	Nematode Diseases	Ear cockle of wheat
21.11.2020	-		-	Monthly Evaluation	
23.11.2020	41	Dr. A.K.S	III	Ecology	G discussion
23.11.2020	42	Dr. A.K.S	I	Pt. Biochemistry	Important question
24.11.2020	42	Miss Amrapali	II	Pt. Physiology	Important question
24.11.2020	42	Dr. A.K.S	III	Ecology	Important question
26.11.2020	42	Miss Amrapali	IV	Pt. Pathology	Important question
26.11.2020	43	Dr. A.K.S	I	Pt. Biochemistry	Pre-university test
27.11.2020	43	Miss Amrapali	II	Pt. Physiology	Internal exam
27.11.2020	43	Dr. A.K.S	III	Ecology	Internal exam
28.11.2020	43	Miss Amrapali	IV	Pt. Pathology	Internal exam
28.11.2020	44	Dr. A.K.S	I	Pt. Biochemistry	Internal exam

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पाठ्यक्रम याज्ञ

DUE TO CORONA EPIDEMIC SOME DEVIATION POSSIBLE