

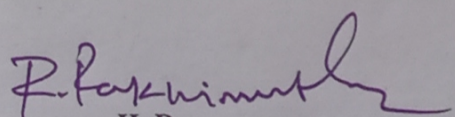
Percentage of Revision of M.Sc., Botany Syllabus under Regulation 2023

Total Percentage of Revision=11.74%

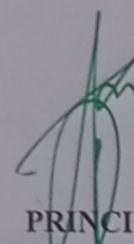
PG and Research Department of Botany							
S.No	Course Code	Course Title	Change Details	% of Changes	Content Deleted	Content Updated	Reason for Change
1.	23PBY101	Plant Diversity I (Phycology, Mycology, Lichenology and Bryology)	Yes	5	-	Thallus internal structure	Subject expert
2.	23PBY102	Core – 2Plant Diversity II (Pteridophytes, Gymnosperms and Palaeobotany)	Yes	20	-	•Case studies like Psilotum, Lycopodium, Selaginella and Ecosystem were added in unit I. •The genus ophioglossum, Adiantum and Marsilea and Salvinia were added in unit II. •IVth unit topic rearranged as affinities of gymnosperms with angiosperms and pteridophytes. •The topic of fossils were added in unit V	Subject expert
3.	23PBY103	Core 3 Applied Microbiology and Plant Pathology	Yes	10	•The topic “Biotechnology in relation to plant pathology – agricultural terrorism were removed in unit V	•FSSAI Acts were added in unit III	-
4.	23PBY104	Core 4 Laboratory course I	No	0	-	-	-
5.	23PBY1E1	Ecology and Phytogeography	NO	0	-	-	-

6.	23PBY1E2	Ethno Botany	No	0	-	-	-
7.	23PBY1E3	Seed technology	Yes	5	-	Seed coating and seed act (1972) were added in unit V	Subject expert
8.	23PBY205	Plant Anatomy and Embryology	No	0	-	-	-
9.	23PBY206	Plant physiology	Yes	20	Historical background and the significance of Photosynthesis, Plant hormones - auxins, gibberellins, cytokinins, abscisic acid ethylene, history of their discovery - biosynthesis - role and mechanism of action topics	-	Subject expert
10.	23PBY207	Cytology, Genetics and Plant Breeding	Yes	10	-	Fine structure of DNA and RNA added in Unit I , Germplasm conservation in rice and Sugarcane was added in unit V	-
11.	23PBY208	Laboratory course-II	No	0	-	-	-
12.	23PBY2E4/	Elective-2 Horticulture and Landscaping	No	0	-	-	-
13.	23PBY2E5/	IPR and Bioethics	Yes	5	-	•Trade Mark, Trade secret - case studies were added	Subject expert
14.	23PBY2E6	Organic farming	No	0	-	-	-
15.	23PBY2N2	Non- Major Elective 1 Industrial Botany	New course	100	-	-	Course Teacher
16.	23PBY3INT	Industrial Training / Internship	No	0	-	-	-
17.	23PBY309	Core - 9 Plant Taxonomy of Angiosperms and Economic Botany	Yes	25	-	“Nymphaeaceae and Sapotaceae” were added in Unit III and Unit IV respectively. •Economic botany was added in unit V	Course Teacher
18.	23PBY310	Core -10 Plant Biochemistry and Biophysics	Yes	5	-	topic polyphenolic compounds were added	Subject expert
19.	23PBY311	Plant Biotechnology	No	0	-	-	-

20.	23PBY312	Laboratory course - III	No	0	-	-	-
21.	23PBY3E7/	Elective3Forestry and Wood science	Yes	5	-	The topic Classification of Indian Forest types (Champion and Seth 1968) was added in	Subject Expert
22.	23PBY3E8/	Herbal Technology	No	0	-	-	-
23.	23PBY3E9	Pharmacognosy	No	0	-	-	-
24.	23PBY413	Core - 13 Research Methodology	Yes	10	-	• framing of hypothesis was added in Unit I • Scanning electron microscopy and Transmission Electron Microscopy were added in Unit V	Subject expert
25.	23PBY414	Core - 14 Bioinformatics and Cyber Security	Yes	10	"sequence" was removed from first unit.	• FASTA and PDB were added in unit II	Subject expert
26.	23PBY415	Laboratory course - IV	No	0	-	-	-
27.	23PBY4P1	Project Work and Viva -Voce	No	0	-	-	-
TOTAL				230/2700 =11.74%			


HoD

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