BOT-160

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

I B.Sc., – Botany-2/ II Semester End (W.E.F. 2020-2021)

Basics of Vascular plants and Phytogeography

(Pteridophytes, Gymnosperms, Taxonomy of Angiosperms and Phytogeography

Model Question Paper (w.e.f. 2020-21)

Time: 2 ¹/₂ Hrs.

Max. Marks: 50

Section –A 5 x 4=20 M

Answer any Four of the following questions. Draw diagrams wherever necessary.

- 1. Asclepiadaceae floral structure
- 2. Morphology of FunariaGametophore
- 3. Heterospory in Pteridophytes
- 4. Morphology of *Marselias*porocarp
- 5. ICBN- rules
- 6. General characters of Gymnosperms
- 7. Economic importance of Annonaceae
- 8. Outlines of Angiosperm Phylogeny Group
- 9. Significance of Ecology
- 10. Endemism types

Section – B 3 x 10 = 30 M

Answer any <u>Three</u> of the following questions. Draw neat labeled diagrams wherever necessary.

- 11. Write an essay on Bentham and Hooker's system of classification.
- 12. Write an essay onStelar evolution in Pteridophytes.
- 13. Write an essay on the structure of ovule in *Gnetum*.
- 14. Describe the distinguishing characters of the family Cucurbitaceae and mention its economic importance.
- 15. Write an essay on phytogeographic regions of India.

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I B.Sc., Botany Practical Examinations at the end of II Semester Basics of Vascular plants and Phytogeography (Pteridophytes, Gymnosperms,Taxonomy of Angiosperms and Phytogeography)

Botany Practical model Paper - II (w.e.f. 2020-21)

Time:	3	hours
	~	nours

1.	Take T.S. of the material 'A' (Pteridophyta), make a temporary slide and justify the		
	identification with appropriate points.	10 M	
2.	Take T.S. of the material 'B' (Gymnosperms), make a temporary slide and justif		
	identification with appropriate points.	10 M	
3.	Describe the vegetative and floral characters of the material 'C' (Taxonomy of		
	Angiosperms) and derive its systematic position.	10 M	
4.	Identify the specimen 'D' (Fossil Gymnosperm) and give specific reasons. 5		
5.	Locate the specified phytogeographical regions (2x2M) in the world / India (E) map		
	supplied to you.	4 M	
6.	Record + Herbarium & Field note book + Viva-voce	5 +4+3 = 12 M	