Course code	Course Title	C	Н	I	E	T
17U1BAC1	ALGAE, BRYOPHYTES AND	4	4	25	75	100
	PTERIDOPHYTES					

Unit I Algae 20 Hrs

Introduction and various divisions of plant kingdom. General characters, classification as proposed by Fritsch. Structure, reproduction and life cycle of the following: 1.Cyanophyceae - *Nostoc* and 2.Chlorophyceae - *Caulerpa*.

Unit II 10 Hrs

Structure, reproduction and life cycle of *Polysiphonia*. Economic importance of Algae.

## **Unit III** Bryophytes

10 Hrs

Introduction, general characters, classification of Bryophytes by Rothmaler. Structure, reproduction and life cycle of *Funaria*.

## **Unit IV** Pteridophytes

10 Hrs

Introduction, general characters. Classification by Smith. Structure, reproduction and Life cycle of *Selaginella*.

Unit V 10 Hrs

Structure, reproduction and life cycle of *Marsilea*. Different types of Stelar variations in Pteridophytes.

## **REFERENCES**

- 1. Pandey, B. College Botany, Vol.I& II.
- 2. C.M.Smith- Cryptogamic Botany, Vol. I & II.
- 3. R.Chopra and P.K.Kumar-Biology of Bryophytes.
- 4. Rasid-Pteridophytes.

## **PRACTICALS**

- 1. Make suitable preparations, description and identification of the types prescribed in Algae, Bryophytes and Pteridophytes.
- 2. Submission of Records.