

*Progressive Education Society's*  
**Modern College of Arts, Science and Commerce,**  
**Shivajinagar, Pune 5**

**(An Autonomous College Affiliated to Savitribai Phule Pune University)**

## **Framework of Syllabus**

**For B.Sc. Botany**

**(2019-20 Course)**

**(with effect from 2019-20 )**

**CIA:** Continuous Internal Evaluation

### Semester 1 (First Year )

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScBotU101	Plant Diversity I	3	2	40	60	100
CCT-2	19ScBotU102	Plant Morphology	3	2	40	60	100
CCP-1	19ScBotU103	Botany Practical course –I	4	2	40	60	100
<b>Total</b>				<b>6</b>			

### Semester II (First Year )

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScBotU201	Plant Diversity II	3	2	40	60	100
CCT-2	19ScBotU202	Plant Anatomy and Embryology	3	2	40	60	100
CCP-1	19ScBotU203	Botany Practical Course -II	4	2	40	60	100
<b>Total</b>				<b>6</b>			

### Semester III (Second Year )

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScBotU301	Taxonomy of Angiosperms and Plant Ecology	4	2.5	40	60	100
CCT-2	19ScBotU302	Plant Physiology	4	2.5	40	60	100
CCP-1	19ScBotU303	Botany Practical course –III	4	2	40	60	100
<b>Total</b>				<b>7</b>			

### Semester IV (Second Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScBotU401	Medico-Botany and Pharmacology	4	2.5	40	60	100
CCT-2	19ScBotU402	Plant Biochemistry and Biotechnology	4	2.5	40	60	100
CCP-1	19ScBotU403	Botany Practical course –IV	4	2	40	60	100
<b>Total</b>				<b>7</b>			

### Semester V (Third Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
DSET-1	19ScBotU501	Lower Cryptogams	4	2.5	40	60	100
DSET-2	19ScBotU502	Tools and Techniques in Botany	4	2.5	40	60	100
DSET-3	19ScBotU503	Biostatistics	4	2.5	40	60	100
DSET-4	19ScBotU504	Plant Physiology	4	2.5	40	60	100
DSET-5	19ScBotU505	Genetics and Plant Breeding	4	2.5	40	60	100
DSET-6	19ScBotU506	Applied Botany I	4	2.5	40	60	100
DSET-7	19ScBotU507	Applied Botany II	4	2.5	40	60	100
DSET-8	19ScBot508	Applied Botany III	4	2.5	40	60	100
DSEP-1	19ScBotU509	Botany Practical I	4	2	40	60	100
DSEP-2	19ScBotU510	Botany Practical II	S	2	40	60	100
SECP-1	19ScBotU511	Botany Practical III	4	2	40	60	100
SECP-2	19ScBotU512	Botany Practical IV	4	2	40	60	100
SECP-3	19ScBotU513	Botany Practical V	4	2	40	60	100
<b>Total</b>				<b>21</b>			

### Semester VI (First Year )

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
DSET-1	19ScBotU601	Higher Cryptogams	4	2.5	40	60	100
DSET-2	19ScBotU602	Plant Pathology	4	2.5	40	60	100
DSET-3	19ScBotU603	Systematics of Angiosperms	4	2.5	40	60	100
DSET-4	19ScBotU604	Cell and Molecular Biology	4	2.5	40	60	100
DSET-5	19ScBotU605	Seed Technology	4	2.5	40	60	100
DSET-6	19ScBotU606	Applied Botany IV	4	2.5	40	60	100
DSET-7	19ScBotU607	Applied Botany V	4	2.5	40	60	100
DSET-8	19ScBotU608	Applied Botany VI	4	2.5	40	60	100
DSEP-1	19ScBotU609	Botany Practical I	4	2	40	60	100
DSEP-2	19ScBotU610	Botany Practical II	4	2	40	60	100
SECP-1	19ScBotU611	Botany Practical III	4	2	40	60	100
SECP-2	19ScBotU612	Botany Practical IV	4	2	40	60	100
SECP-3	19ScBotU613	Botany Practical V	4	2	40	60	100
		<b>Total</b>		<b>21</b>			