

SHIVAJI UNIVERSITY, KOLHAPUR
STRUCTURE AND SYLLABUS OF B.VOC.

2019-2020

**Bachelor of Vocation (B.Voc.) – Sustainable Agriculture
Management.**

TITLE
Management) : **B.Voc. (Sustainable Agriculture**

Syllabus (Semester Pattern)

Under Faculty of Interdisciplinary Studies

YEAR OF IMPLEMENTATION: Syllabus will be implemented from June, 2019-2020

DURATION B. Voc. Part I, II and III (Three Years)

B. Voc. Part I - Diploma (One Year)

B. Voc. Part II - Advanced Diploma (Second Year)

B. Voc. Part III-Degree (Third Year)

PATTERN OF EXAMINATION: Semester Pattern

Theory Examination - At the end of semester as per Shivaji University Rules

Practical Examination - i) In the 1st, 3rd and 5th semester of B.Voc. there will be internal assessment of practical record, related report submission and project reports at the end of semester

ii) In the second semester of B. Voc. I, there will be internal practical examination at the end of semester

iii) In the 4th and 6th semester of B. Voc. there will be external practical examination at the end of semester

MEDIUM OF INSTRUCTION : English.

STRUCTURE OF COURSE : B. Voc. Part – I, II and III



2. The candidates after with 10+2 year ITI course in any branch/trade also eligible for course.

3. The candidates graduate from any faculty or engineering degree/diploma holders are also eligible.

Structure of the Course:

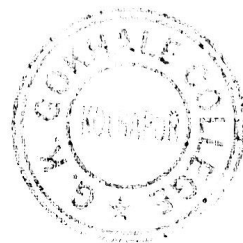
B. Voc. –II (Advanced Diploma) Semester – III

Sr. No.	Paper No.	Title	Theory/ Practica l	Marks	Distribution of Marks		Credits	
					Theory	Practical	Theory	Practical
General Education Component :								
1.	XIX	Fundamentals of Financial Accounting-I	T/P	50	40	10	3	2
2.	XX	Herbal Aromatic Medicinal Plants	T/P	50	40	10	3	2
Skill Component:								
3.	XXI	Introductory Plant Pathology	T	50	50		3	
4.	XXII	Entomology: Insect Morphology & Systematics.	T	50	50		3	
5.	XXIII	Water Management including Micro Irrigation	T	50	50		3	
6.	XXIV	Laboratory work- Herbal Aromatic Medicinal Plants	P	50		50		3
7.	XXV	Laboratory work- Introductory Plant Pathology	P	50		50		3
8.	XXVI	Laboratory work- Entomology: Insect Morphology	P	50		50		2
9.	XXVI I	Project/ Tour/ Industrial Visit		50		50		2



B. Voc. -II (Advanced Diploma) Semester-IV

Sr. No.	Paper No.	Title	Theory/Practical	Marks	Distribution of Marks		Credits	
					Theory	Practical	Theory	Practical
General Education Component :								
1.	XXVIII	Fundamentals of Financial Accounting-II	T/P	50	40	10	3	2
2.	XXIX	Livestock Production & Management	T/P	50	40	10	3	2
Skill Component:								
3.	XXX	Agricultural Finance & Cooperation	T	50	50		3	
4.	XXXI	Plant Pathology: Diseases of field crops & management.	T	50	50		3	
5.	XXXII	Principles of Genetics	T	50	50		3	
6.	XXXIII	Laboratory work- Livestock Production & Management	P	50		50		3
7.	XXXIV	Laboratory work- Agricultural Finance & Cooperation	P	50		50		3
8.	XXXV	Laboratory work-Plant Pathology:Diseases of field crops & management	P	50		50		2
9.	XXXVI	Project/ Tour/ Industrial Visit		50		50		2



SHIVAJI UNIVERSITY, KOLHAPUR



“A” Re accredited by NAAC
(2014) with CGPA 3.16

**Faculty of Interdisciplinary studies
Structure, Scheme and Syllabus for
Bachelor of Vocation (B. Voc.)**

Sustainable Agriculture Management

Part III- Sem. V & VI

(Subject to the modifications that will be made from time to time)
Syllabus to be implemented from June, 2020 onwards.

SHIVAJI UNIVERSITY, KOLHAPUR
STRUCTURE AND SYLLABUS OF B. Voc.
Bachelor of Vocation (B. Voc.)

Sustainable Agriculture Management

TITLE	: B. Voc. Part. III (Degree) Syllabus (Semester Pattern) Under Faculty of Interdisciplinary studies
YEAR OF IMPLEMENTATION	: Syllabus will be implemented from academic year 2020-2021
DURATION	: B. Voc. Part I, II and III (Three Years) : B. Voc. Part I - Diploma (One Year) NSQF Level 5 : B. Voc. Part II - Advanced Diploma (Second Year) NSQF Level 6 : B. Voc. Part III – Degree (Third Year) NSQF Level 7
PATTERN OF EXAMINATION	: Semester Pattern
• Theory Examination –	At the end of semester as per Shivaji University Rules
• Practical Examination –	i) In the 1 st , 3 rd and 5 th semester of B. Voc. there will be internal assessment of practical record, related Report submission and Project reports at the end of semester. ii) In the second semester of B. Voc. I, there will be internal practical examination at the end of semester. iii) In the 4 th and 6 th semester of B. Voc. there will be External practical examination at the end of semester.
MEDIUM OF INSTRUCTION	: English
STRUCTURE OF COURSE	: B. Voc. Part – I, II and III Two Semesters per Year Two General Papers per year / semester Three Vocational Papers per Year / Semester Three Practical papers per Year / Semester One Project/Study Tour/ Survey/Industrial Visit/Internship/Industrial training
SCHEME OF EXAMINATION:	
A) THEORY:	
•	The theory examination shall be at the end of the each semester.
•	All the general theory papers shall carry 40 marks and all vocational theory papers shall carry 50 marks.
•	Evaluation of the performance of the students in theory shall be on the basis of semester examination as mentioned above.



- Question paper will be set in the view of entire syllabus preferably covering each unit of the syllabus.
- **Nature of question paper for Theory examination**
- **A) For skill component papers: Total marks: 50**
 - Q. No. 1: Multiple choice questions (ten questions) ($1 \times 10 = 10$ marks)
 - Q. No. 2: Long answer type questions (any two out of four) ($2 \times 10 = 20$ marks)
 - Q. No. 3: Short Notes (any four out of six) ($4 \times 5 = 20$ marks)
- **B) For General education Component Papers: Total marks: 40**
 - Q. No.1: Multiple choice questions (eight questions) ($1 \times 8 = 8$ marks)
 - Q. No.2: Long answer type questions.
 - (any two out of four) ($2 \times 10 = 20$ marks)
 - Q. No.3: Short Notes (any three out of five) ($4 \times 3 = 12$ marks)

B) PRACTICAL:

Evaluation of the performance of the students in practical shall be on the basis of semester examination. (Internal assessment at the end of Semester I, II and III and V and external examination at the end of Semester IV and VI as mentioned separately in each paper.

Standard of Passing:

As per the guidelines and rules for B. Voc. (Attached Separately – Annexure I)

STRUCTURE OF THE COURSE:

B. Voc. - III Semester- V

Sr. No	Paper No.	Title	Theory /Practical/ Project	Marks (Total)	Distribution of Marks	
					Theory	Practical
General Education Component :						
1.	XXXVII	Green Technology & Sustainable Development	Theory /Practical	50	40	10
2.	XXXVIII	Forest Biodiversity and Ecosystem	Theory /Practical	50	40	10
Skill Component :						
3.	XXXIX	Farm Power and Machinery	Theory	50	50	-
4.	XL	Plant Breeding	Theory	50	50	-
5.	XLI	Vegetable Crop Production	Theory	50	50	-
6.	XLII	Laboratory Work: Farm Power and Machinery	Practical	50	-	50
7.	XLIII	Laboratory Work: Plant Breeding	Practical	50	-	50
8.	XLIV	Laboratory Work: Vegetable Crop Production	Practical	50	-	50
9.	XLV	Project / Nursery /Forest visit / Nursery training	--	50	-	50



B. Voc. – III Semester- VI

Sr. No	Paper No.	Title	Theory /Practical/ Project	Marks (Total)	Distribution of Marks	
					Theory	Practical
General Education Component :						
1.	XLVI	Computer and its Application in Agriculture	Theory/ Practical	50	40	10
2.	XLVII	Weed and Weed Management	Theory/ Practical	50	40	10
Skill Component :						
3.	XLVIII	Landscape Designing	Theory	50	50	-
4.	XLIX	Plant Biochemistry	Theory	50	50	-
5.	L	Fruit: Plantation, Production & Harvesting	Theory	50	50	-
6.	LI	Laboratory Work: Landscape Designing	Practical	50	-	50
7.	LII	Laboratory Work: Plant Biochemistry	Practical	50	-	50
8.	LIII	Laboratory Work: Fruit: Plantation, Production & Harvesting	Practical	50	-	50
9.	LIV	Project / Biotechnology lab. Visit	--	50	-	50

Scheme of Teaching: B. Voc. - Part III Semester – V

Sr. No	Paper No	Titles	Distribution of Workload (Per Week)		
			Theory	Practical	Total
1.	XXXVII	Green Technology & Sustainable Development	4	2	6
2.	XXXVIII	Forest Biodiversity and Ecosystem	4	2	6
3.	XXXIX	Farm Power and Machinery	4	-	4
4.	XL	Plant Breeding	4	-	4
5.	XLI	Vegetable Crop Production	4	-	4
6.	XLII	Laboratory Work: Farm Power and Machinery	-	4	4
7.	XLIII	Laboratory Work: Plant Breeding	-	4	4
8.	XLIV	Laboratory Work: Vegetable Crop Production	-	4	4
9.	XLV	Project / Nursery /Forest visit / Nursery training	-	-	-
Total--			20	16	36



Scheme of Teaching: B. Voc. - Part III Semester - VI

Sr. No	Paper No	Titles	Distribution of Workload (Per Week)		
			Theory	Practical	Total
1.	XLVI	Computer and its Application in Agriculture	4	2	6
2.	XLVII	Weed and Weed Management	4	2	6
3.	XLVIII	Landscape Designing	4	-	4
4.	XLIX	Plant Biochemistry	4	-	4
5.	L	Fruit: Plantation, Production & Harvesting	4	-	4
6.	LI	Laboratory Work: Landscape Designing	-	4	4
7.	LII	Laboratory Work: Plant Biochemistry	-	4	4
8..	LIII	Laboratory Work: Fruit: Plantation, Production & Harvesting	-	4	4
9	LIV	Project / Biotechnology lab. Visit	-	-	-
		Total--	20	16	36

Eligibility for Admission:

10 +2 from any faculty or equivalent Diploma / Advanced Diploma in any related Stream.

Eligibility for Faculty:

- 1) M.Sc. in Agriculture / Horticulture / Agriculture Economics / Agri-Business Management / Botany / Agriculture Engineering with NET / SET/ Ph.D. with 05 years of experience in the Relevant field.
- 2) M.A. M.Com./MBA/MCA with SET/NET/Ph.D. for General Component Syllabus

Eligibility for Laboratory Assistant:

B.Sc. in Agriculture / Botany or Diploma in the relevant field.

Staffing Pattern:

One Assistant Professor for three years (purely on contractual basis). Assistant Professors on CHB basis and Visiting faculty as per the need of workload and requirement may be appointed.

