

DIRECTION

No. : 97 /2022.

Date :- 24/11/2022

Subject : Examinations leading to the Degree of Master of Science (M.Sc.) Two years – Four Semester Post Graduate Degree Course) under Choice Based Credit System Direction, 2022.

Whereas, the Ordinance No. 4/2008, and Direction No. 78/2022, dated 06/10/2022 with respect to an examination leading to the Degree of Master of Science(M.Sc.) (Two years – Four Semester Post Graduate Degree Course) under Choice Based Credit System Direction, 2022 are in existence in the University,

AND

Whereas, the Govt. of Maharashtra vide its order No. एनजीसी२०२१/(१०५/२१)/मशि-४, दिनांक १५ जून २०२१ has granted a permission of the new course in M.Sc.(Herbal Science) to Shri Shivaji College of Arts, Commerce & Science, Akola,

AND

Whereas, The Hon'ble Vice-Chancellor sanctioned permission to constitute a Ad-hoc Committee for framing the Scheme of Teaching, Learning, Examination & Evaluation along with the syllabus of the new course M.Sc. in Herbal Science in this respect,

AND

Whereas, it is required to include the above said subject in the list of subject comprised in the Faculty of Science and Technology under Science Group as mentioned in para 32 of Direction No.78 of 2022,

AND

Whereas, the respective ad-hoc committee in its meeting dated 18/10/2022 framed Draft syllabi and eligibility criteria by taking into consideration the Scheme of Teaching, Learning, examination and evaluation as per Choice Based Credit System,

AND

Whereas, the minutes of meeting of the Ad-hoc Committee dated 18/10/2022 along with draft syllabus were approved by Hon'ble Vice-Chancellor under section 12(7) of Maharashtra Public Universities Act, 2016 on behalf of Faculty of Science & Technology and Academic Council on dated 6.11.2022.

AND

Whereas, the Scheme of Teaching, Learning, examination and evaluation along with the syllabus of Semester I & II as per Choice Based Credit System of the new course M.Sc. in Herbal Science is to be implemented from the academic session 2022-2023,

Whereas, making an Ordinance/Regulation is a time consuming process.

Now, therefore I, Dr.Vijaykumar Chowbe, Acting Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati in exercise of powers conferred upon me under Sub-section (8) of Section 12 of the Maharashtra Public Universities Act, 2016 do hereby direct as under-

- (i) This Direction may be called, "Examinations leading to the Degree of Master of Science (M.Sc.) (Two years – Four Semester Post Graduate Degree Course) under Choice Based Credit System Direction, 2022".
(ii) The Degree of Master of Science (M.Sc.) in Herbal Science shall belong to the Faculty of Science and Technology (Science Group).
- This Direction shall come into force w.e.f. the date of its issuance.
- The following eligibility criteria shall be inserted after para 31 (m)
(n) for admission to M.Sc. Herbal Science a candidate shall have degree in Bachelor of Science with Botany as course or B.Sc in Agriculture or B.Sc. in Horticulture or B.Pharm. or B.Sc.(Agricultural Biotechnology) or B.A.M.S.
- The following subject be inserted in para 32 after Sr.No.19
(20) Herbal Science
- The Scheme of Teaching, Learning, Examination and Evaluation along with syllabus of Semester – I & II is appended herewith vide **Annexure A1 and A2.**
- All other provisions for M.Sc. Herbal Science subject shall same as mentioned in Direction No. 78/2022.

Date : 18 /11 /2022

Sd/-
(Dr.Vijaykumar Chowbe)
Acting Vice-Chancellor
Sant Gadge Baba Amravati University

**Scheme of Teaching, Learning & Examination leading to the Degree in Master of Science in the Programme Herbal Science
(Two year- Four Semester Degree Programme- C.B.C.S.)
(M.Sc. Part I) Semester I**

S. No.	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exam Hours	Examination & Evaluation Scheme						
			Teaching Periods Per Week				Credits				Theory		Practical		Total Marks	Minimum Passing	
			L	T	P	Total	L/T	Practical	Total		Theory+ MCQ External	Theory Internal	Internal	External		Marks	Grade
1	DSC-I: Introduction to Herbal Science	HSC 101	3	-	-	3	3	-	3	3	80	20	-	-	100	40	P
2	AEC- I: Analytical Techniques	HSC 102	-	1	-	1	1	-	1	1	-	-	50	-	50	25	P
3	DSC-II : Basics of Plant Science	HSC 103	4	-	-	4	4	-	4	3	80	20	-	-	100	40	P
4	DSC -III : Cultivation Practices	HSC 104	4	-	-	4	4	-	4	3	80	20	-	-	100	40	P
5	DSC- IV: Modern Plant Authentication techniques	HSC 105	4	-	-	4	4	-	4	3	80	20	-	-	100	40	P
6	Lab- 1Practical Based on DSC I& II	HSCL 101	-	-	6	6	-	3	3	*	-	-	-	100	100	50	P
7	Lab-2Practical Based on DSC III&IV	HSCL 102	-	-	6	6	-	3	3	*	-	-	-	100	100	50	P
8	# Internship/ Field Work/ Work Experience																
9	Open elective/ GIC/ Open skill/ MOOC*/ Medicinal Plants	HSOEC	4	-	-	4	4	-	4	3	80	20	-	-	100	40	P
Total						28			26						650		

L: Lecture, T: Tutorial, P: Practical

Student may complete their Internship/ Field Work/ Work experience in First or Second or Third semester of Master of Science in the Programme, according to their convenience; @ denotes Non-Examination credits.

Note: Internship/ Apprenticeship/ Field Work Experience (during vacations of semester I to III. This will carry 2 credits for learning of 60 hours or 3 Credits for learning of 90 hours. Its credits and grades will be reflected in final semester IV credit grade report.

-OEC (Optional) can be studied during semester I to IV

**Scheme of Teaching, Learning & Examination leading to the Degree in Master of Science in the Programme Herbal Science
(Two year- Four Semester Degree Programme- C.B.C.S.)
(M.Sc. Part I) Semester II**

S. No.	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exam Hours	Examination & Evaluation Scheme						
			Teaching Periods Per Week				Credits				Theory		Practical		Total Marks	Minimum Passing	
			L	T	P	Total	L/T	Practical	Total		Theory+ MCQ External	Theory Internal	Internal	External		Marks	Grade
1	DSC-V : Plant Metabolites	HSC 201	3	-	-	3	3	-	3	3	80	20	-	-	100	40	P
2	AEC- II : Chromatography	HSC 202	-	1	-	1	1	-	1	1	-	-	50	-	50	25	P
3	DSC-VI : Plant Propagation for Commercial Utility	HSC 203	4	-	-	4	4	-	4	3	80	20	-	-	100	40	P
4	DSC -VII : Fundamental Pharmacognosy	HSC 204	4	-	-	4	4	-	4	3	80	20	-	-	100	40	P
5	DSC- VIII : Herbal Drug Technology	HSC 205	4	-	-	4	4	-	4	3	80	20	-	-	100	40	P
6	Lab- 3Practical Based on DSC V&VI	HSCL 201	-	-	6	6	-	3	3	*	-	-	-	100	100	50	P
7	Lab-4Practical Based on DSC VII&VIII	HSCL 202	-	-	6	6	-	3	3	*	-	-	-	100	100	50	P
8	# Internship/ Field Work/ Work Experience @																
9	Open elective/ GIC/ Open skill/ MOOC*	HSOEC	4	-	-	4	4	-	4	3	80	20	-	-	100	40	P
Total						28			26						650		

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Its credits and grades will be reflected in final semester IV credit grade report.

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