

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

Bachelor of Science (B.Sc.) Full Time Three Years Degree Programme

Examinations leading to the Degree of Bachelor of Science

APPENDIX – A5.1

Three Years (Six Semesters) Degree Programme under Choice Based Credit System (CBCS)

Scheme of Teaching, Learning, Examination and Evaluation (B.Sc. -Mathematics) (Semester-V)

Sr. No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams Hrs.	Examination & Evaluation Scheme						
			Teaching Period Per week				Credits				Maximum Marks				Minimum Passing		
			L	T	P	Total	Theory/ Tutorial	Practical	Total	Theory + M.C.Q Ext.	Skill Enhancement Module (SEM) Int.	Practical		Total Marks	Marks	Grade	
1	Mathematics, (DSC-25)		5	-	-	5	3.75		3.75	3	60	15	-	-	75	30	P
2	Mathematics (DSC-26)		4	1#	---	4 L + 1# Tutorial	3.75		3.75	3	60	15	-	-	75	30	P
3	Science Subject 1 excluding Mathematics (DSC-27)		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
4	Practical for Science Subject 1 (DSC-27) excluding Mathematics (DSC-28)		-	-	6	6		2.25	2.25	3	-	-	25	25	50	25	P
5	Science Subject 2 excluding Mathematics (DSC-29)		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
6	Practical for Science Subject 2 (DSC-29) excluding Mathematics (DSC-30)		-	-	6	6		2.25	2.25	3	-	-	25	25	50	25	P
7	Mini-Project/Hands-on Training/Workshop/DIY – I On any one of the above				3	3		1.125	1.125	3			25	25	50	25	P

	Subjects															
8*	*Open Elective Course (OEC)					75 hrs (during session) optional to extracurricular and co-curricular activities										
9*	Internship/Apprenticeship/Field Work/Work Experience					150 Hours cumulatively from Sem II to Sem V resulting into earning of 5 Credits (Minimum 120 Hours mandatory resulting into earning of 4 Credits)										
	Total				37			22.125						575		

L: Lecture, T: Tutorial, P: Practical, DIY: Do It Yourself activity

Notes :

- 1. Internship/Apprenticeship/Field Work/Work Experience is Mandatory.** It can be carried out cumulatively from Semester I to Semester V for a duration of 150 Hours resulting into earning of 5 Credits **(Minimum 120 Hours resulting into earning of 4 Credits is mandatory for every student)**. Internship /Apprenticeship/Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 120 hrs, cumulatively entailing 4 Credits. It's credits and grades will be reflected in final semester VI credit grade report.
- 2. #** indicate that for the subject Mathematics, the strength of a batch of tutorials for UG classes shall be 16 (Sixteen) with an addition of 10 percent with the permission of Honorable Vice Chancellor (As amended by Executive council dated 27/28-4-1979).
- 3. Teaching period in the various subjects in the faculty of science shall be as prescribed by the executive council dated 1/2-4-1977, 11-7-1977 Appendix- P**
- 4. If DSC (excluding Mathematics) is Physics, then 2 Tutorial be added.**
- 5.** There shall be Skill Enhancement Module (SEM) in each course of DSC and DSE
- 6. OEC (Optional) can be studied during semester I to V, Its credits and grades will be reflected in final semester VI credit grade report. OEC may be opted from Sem I to Sem V.** It is comprised of GIC, Skill Course and MOOC (through SWAYAM)
- 7.** Minimum 10% of the total credits of the UG (Bachelor's Degree) programme, that is, at least 12 credits are mandatory to be earned by all the students from Ancillary Credit Courses as mentioned in Table A (SGBAU, Direction No. 76/2022 ,Date 06/10/2022)
- 8. Extra-curricular and co-curricular activities:** Maximum 5 Credits may be earned through Extra-curricular and co-curricular activities, which will be an option to OEC (maximum 75 hours and 5 credits), so that students performing in such activities shall be given exemption from undertaking OEC.

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

**Bachelor of Science (B.Sc.) Full Time Three Years Degree Programme
Examinations leading to the Degree of Bachelor of Science**

APPENDIX – A6.1

**Three Years (Six Semesters) Degree Programme under Choice Based Credit System (CBCS)
Scheme of Teaching, Learning, Examination and Evaluation (B.Sc. -Mathematics) (Semester-VI)**

Sr. No	Subject	Subject Code	Teaching & Learning Scheme						Duration of Exams Hrs.	Examination & Evaluation Scheme							
			Teaching Period Per week				Credits			Maximum Marks				Minimum Passing			
			L	T	P	Total	Theory/ Tutorial	Practical	Total	Theory + M.C.Q Ext.	Skill Enhancement Module (SEM) Int.	Practical		Total Marks	Marks	Grade	
1	DSE –I from Mathematics		5	-	--	5	3.75	-	3.75	3	60	15	-	-	75	30	P
2	DSE-II from Mathematics		4	1#	---	4 L + 1# Tutorial	3.75	-	3.75	3	60	15	-	-	75	30	P
3	DSE-III from Science Subject 1 excluding Mathematics		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
4	Practical for DSE-III from Science Subject 1 excluding Mathematics		-	-	6	6	-	2.25	2.25	3	-	-	25	25	50	25	P
5	DSE-IV from Science Subject 2 excluding Mathematics		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
6	Practical for DSE-IV from Science Subject 2 excluding Mathematics		-	-	6	6	-	2.25	2.25	3	-	-	25	25	50	25	P
7	Mini-Project/Hands-on Training/Workshop/DIY –				3	3	-	1.125	1.125	3	-	-	25	25	50	25	P

II	On any one of the above Subjects																
Total					37			22.125								575	

L: Lecture, T: Tutorial, P: Practical, DIY: Do It Yourself activity

Notes :

- 1. Internship/Apprenticeship/Field Work/Work Experience is Mandatory.** It can be carried out cumulatively from Semester I to Semester V for a duration of 150 Hours resulting into earning of 5 Credits **(Minimum 120 Hours resulting into earning of 4 Credits is mandatory for every student)**. Internship /Apprenticeship/Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 120 hrs, cumulatively entailing 4 Credits. It's credits and grades will be reflected in final semester VI credit grade report.
- # indicate that for the subject Mathematics, the strength of a batch of tutorials for UG classes shall be 16 (Sixteen) with an addition of 10 percent with the permission of Honorable Vice Chancellor (As amended by Executive council dated 27/28-4-1979).
- 3. Teaching period in the various subjects in the faculty of science shall be as prescribed by the executive council dated 1/2-4-1977, 11-7-1977 Appendix- P**
- 4. If DSC (excluding Mathematics) is Physics, then 2 Tutorial be added.**
5. There shall be Skill Enhancement Module (SEM) in each course of DSC and DSE
- 6. OEC (Optional) can be studied during semester I to V, Its credits and grades will be reflected in final semester VI credit grade report. OEC may be opted from Sem I to Sem V.** It is comprised of GIC, Skill Course and MOOC (through SWAYAM)
- 7. DSE (Discipline/Department Specific Elective):** A basket containing at least two courses/subjects shall be provided, so that student has a choice for the selection.
8. Minimum 10% of the total credits of the UG (Bachelor's Degree) programme, that is, at least 12 credits are mandatory to be earned by all the students from Ancillary Credit Courses as mentioned in Table A (SGBAU, Direction No. 76/2022 ,Date 06/10/2022)
- 9. Extra-curricular and co-curricular activities:** Maximum 5 Credits may be earned through Extra-curricular and co-curricular activities, which will be an option to OEC (maximum 75 hours and 5 credits), so that students performing in such activities shall be given exemption from undertaking OEC.

APPENDIX – A5.2

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
Examinations leading to the Degree of Bachelor of Science
Three Years (Six Semesters) Degree Programme under Choice Based Credit System (CBCS)
Scheme of Teaching, Learning, Examination and Evaluation (B.Sc. -Excluding Mathematics) (Semester-V)

Sr. No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams Hrs.	Examination & Evaluation Scheme						
			Teaching Period Per week				Credits				Maximum Marks					Minimum Passing	
			L	T	P	Total	Theory/Tutorial	Practical	Total		Theory + M.C.Q Ext.	Skill Enhancement Module (SEM) Int.	Practical		Total Marks	Marks	Grade
1	(DSC-25)		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
2	Practical for (DSC-25)		-	-	6	6	-	2.25	2.25	3	-	-	25	25	50	25	P
3	(DSC-26)		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
4	Practical for (DSC-26)		-	-	6	6	-	2.25	2.25	3	-	-	25	25	50	25	P
5	DSC-27		6	-	-	6	6	-	4.5	3	80	20	-	-	100	40	P
6	Practical for DSC-27		-	-	6	6	-	2.25	2.25	3	-	-	25	25	50	25	P

7	Mini-Project/Hands-on Training/Workshop/DIY related to Subject excluding Mathematics Phase I			-	6	6	--	2.25	2.25	2	Internal Assessment by college/institute/department	50	25	P
8	*Open Elective Course (OEC)						75 hrs (during session) optional to extracurricular and co-curricular activities							
9	Internship/Apprenticeship/Field Work/Work Experience						150 Hours cumulatively from Sem II to Sem V resulting into earning of 5 Credits (Minimum 120 Hours mandatory resulting into earning of 4 Credits)							
	Total					42			22.5					500

L: Lecture, T: Tutorial, P: Practical, DIY: Do It Yourself activity

Notes :

- 1. Internship/Apprenticeship/Field Work/Work Experience is Mandatory.** It can be carried out cumulatively from Semester I to Semester V for a duration of 150 Hours resulting into earning of 5 Credits **(Minimum 120 Hours resulting into earning of 4 Credits is mandatory for every student)**. Internship /Apprenticeship/Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 120 hrs, cumulatively entailing 4 Credits. It's credits and grades will be reflected in final semester VI credit grade report.
- 2. Teaching period in the various subjects in the faculty of science shall be as prescribed by the executive council dated 1/2-4-1977, 11-7-1977 Appendix- P**
- 3. If DSC (excluding Mathematics) is Physics, then 2 Tutorial be added.**
- 4.** There shall be Skill Enhancement Module (SEM) in each course of DSC and DSE
- 5. OEC (Optional) can be studied during semester I to V, Its credits and grades will be reflected in final semester VI credit grade report. OEC may be opted from Sem I to Sem V.** It is comprised of GIC, Skill Course and MOOC (through SWAYAM)
- 6.** Minimum 10% of the total credits of the UG (Bachelor's Degree) programme, that is, at least 12 credits are mandatory to be earned by all the students from Ancillary Credit Courses as mentioned in Table A (SGBAU, Direction No. 76/2022 ,Date 06/10/2022)
- 7. Extra-curricular and co-curricular activities:** Maximum 5 Credits may be earned through Extra-curricular and co-curricular activities, which will be an option to OEC (maximum 75 hours and 5 credits), so that students performing in such activities shall be given exemption from undertaking OEC.

APPENDIX – A6.2

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
Examinations leading to the Degree of Bachelor of Science
Three Years (Six Semesters) Degree Programme under Choice Based Credit System (CBCS)
Scheme of Teaching, Learning, Examination and Evaluation (B.Sc. -Excluding Mathematics) (Semester-VI)

Sr. No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams Hrs.	Examination & Evaluation Scheme						
			Teaching Period Per week				Credits				Maximum Marks				Minimum Passing		
			L	T	P	Total	Theory/ Tutorial	Practical	Total	Theory + M.C.Q Ext.	Skill Enhancement Module (SEM) Int.	Practical		Total Marks	Marks	Grade	
1	DSE – I Elective Basket for Subject-I from Subject excluding Mathematics		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
2	Practical for (DSE-I)		-	-	6	6	-	2.25	2.25	3	-	-	25	25	50	25	P
3	DSE-II Elective Basket for Subject-II from Subject excluding Mathematics		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
4	Practical for (DSE-II)		-	-	6	6	-	2.25	2.25	3	-	-	25	25	50	25	P

5	DSE –III Elective Basket for Subject-III from Subject excluding Mathematics		6	-	-	6	4.5	-	4.5	3	80	20	-	-	100	40	P
6	Practical for DSE –III from Subject excluding Mathematics		-	-	6	6	-	2.25	2.25	3	-	-	25	25	50	25	P
7	Mini-Project/Hands-on Training/Workshop/DIY related to Subject excluding Mathematics Phase II				6	6	--	2.25	2.25	2	Internal Assessment by college/institute/department				50	25	P
	Total					42			22.5						500		

L: Lecture, T: Tutorial, P: Practical, DIY: Do It Yourself activity

Notes :

- 1. Internship/Apprenticeship/Field Work/Work Experience is Mandatory.** It can be carried out cumulatively from Semester I to Semester V for a duration of 150 Hours resulting into earning of 5 Credits **(Minimum 120 Hours resulting into earning of 4 Credits is mandatory for every student)**. Internship /Apprenticeship/Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 120 hrs, cumulatively entailing 4 Credits. It's credits and grades will be reflected in final semester VI credit grade report.
- 2. Teaching period in the various subjects in the faculty of science shall be as prescribed by the executive council dated 1/2-4-1977, 11-7-1977 Appendix- P**
- 3. If DSC (excluding Mathematics) is Physics, then 2 Tutorial be added.**
4. There shall be Skill Enhancement Module (SEM) in each course of DSC and DSE
5. **OEC (Optional) can be studied during semester I to V, Its credits and grades will be reflected in final semester VI credit grade report.** OEC may be opted from Sem I to Sem V. It is comprised of GIC, Skill Course and MOOC (through SWAYAM)
- 6. DSE (DISCIPLINE/DEPARTMENT SPECIFIC ELECTIVE): A BASKET CONTAINING AT LEAST TWO COURSES/SUBJECTS SHALL BE PROVIDED, SO THAT STUDENT HAS A CHOICE FOR THE SELECTION.**
7. Minimum 10% of the total credits of the UG (Bachelor's Degree) programme, that is, at least 12 credits are mandatory to be earned by all the students from Ancillary Credit Courses as mentioned in Table A (SGBAU, Direction No. 76/2022 ,Date 06/10/2022)
- 8. Extra-curricular and co-curricular activities:** Maximum 5 Credits may be earned through Extra-curricular and co-curricular activities, which will be an option to OEC (maximum 75 hours and 5 credits), so that students performing in such activities shall be given exemption from undertaking OEC.