

**1.2.1 Percentage of Programmes in which  
Choice Based Credit System (CBCS) /  
Elective Course System has been  
implemented.**



## Gondwana University, Gadchiroli

(Established by Government of Maharashtra Notification No. MIDC-2007/(322/07) UNI-4 Dated 27<sup>th</sup> Sept.2011 & Presently a State University governed by Maharashtra Public University Act,2016(Maharashtra Act No. VI of 2017)  
(ACADEMIC SECTION)

M.I.D.C.ROAD, COMPLEX,GADCHIROLI,DIST GADCHIROLI -442605 (Acad..Landline No.) 7132- 223323

No.G.U./Acad.१६९/2021

Date : 23/08/2021

### To whomsoever it may concern

This is to certify that **Nilkanthrao Shinde Science & Arts College, Bhadrawati Dist. Chandrapur** affiliated to the Gondwana University, Gadchiroli has been implementing Choice Based Credit System (CBCS) at undergraduate level for B.Sc. program since 2017 for the following subjects (courses):

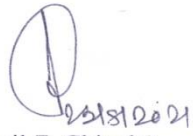
Sr. No.	Programme	Subjects	Remark
1	B.Sc..	English	Implemented CBCS Scheme by the University for all U G programme Since session 2016-2017
		Marathi	
		Supplementary English	
		Mathematics	
		Physics	
		Chemistry	
		Zoology	
		Botany	
		Computer Science	
		Micro- Biology	

Choice Based Credit System (CBCS) in the above programme and courses is operative from academic year 2019-20 and onwards

Hence certified.

Date: 23.08.2021

  
**Dr. L.S. Ladke**  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

  
(Dr. Anil Z, Chitade)  
Registrar (I/C)  
Gondwana University, Gadchiroli  
Registrar (I/c.)  
Gondwana University, Gadchiroli



## Gondwana University, Gadchiroli

(Established by Government of Maharashtra Notification No. MIDC-2007/(322/07) UNI-4 Dated 27<sup>th</sup> Sept.2011 & Presently a State University governed by Maharashtra Public University Act,2016(Maharashtra Act No. VI of 2017)  
(ACADEMIC SECTION)

M.I.D.C.ROAD, COMPLEX,GADCHIROLI,DIST GADCHIROLI -442605 (Acad..Landline No.) 7132- 223323

No.G.U./Acad. 065/2021

Date : 23/08/2021

### To whomsoever it may concern


This is to certify that **Nilkanthrao Shinde Science & Arts College, Bhadrawati Dist. Chandrapur** affiliated to the Gondwana University, Gadchiroli has been implementing Choice Based Credit System (CBCS) at ~~under~~ undergraduate level for B.A. program since 2017 for the following subjects (courses):

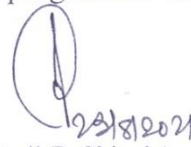
Sr. No.	Programme	Subjects	Remark
1	B.A.	English	Implemented CBCS Scheme by the University for all U G programme Since session 2016-2017
		English Literature	
		Marathi	
		Marathi Literature	
		Home Economics	
		Economics	
		History	
		Sociology	
		Political Science	
		Geography	
		Fashion Designing	

Choice Based Credit System (CBCS) in the above programme and courses is operative from academic year 2019-20 and onwards.

Hence certified.

Date: 23.08.2021

  
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N.S. Science & Arts College  
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(ACADEMIC SECTION)

M.I.D.C.ROAD, COMPLEX,GADCHIROLI,DIST GADCHIROLI -442605 (Acad..Landline No.) 7132- 223323

No.G.U./Acad.365/2021

Date : 23/08/2021

### To whomsoever it may concern

This is to certify that Nilkanthrao Shinde Science & Arts College, Bhadrawati Dist. Chandrapur affiliated to the Gondwana University, Gadchiroli has been implementing Choice Based Credit System (CBCS) at ~~Post~~graduate level for M.Sc. program since 2017 for the following subjects (courses):

Sr. No.	Programme	Subjects	Remark
1	M.Sc..	Mathematics	Implemented CBCS Scheme by the University for all P.G programme Since session 2016-2017
		Physics	
		Chemistry	
		Zoology	
		Botany	

Choice Based Credit System (CBCS) in the above programme and courses is operative from academic year 2019-20 and onwards

Hence certified.

Date: 23.08.2021

(Dr. Anil Z, Chitade)

Registrar (I/C)

Gondwana University, Gadchiroli

Registrar (I/C)

Gondwana University, Gadchiroli

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(ACADEMIC SECTION)

M.I.D.C.ROAD, COMPLEX,GADCHIROLI,DIST GADCHIROLI -442605 (Acad..Landline No.) 7132- 223323

No.G.U./Acad.365/2021

Date : 23/08/2021

### To whomsoever it may concern

This is to certify that **Nilkanthrao Shinde Science & Arts College, Bhadrawati Dist. Chandrapur** affiliated to the Gondwana University, Gadchiroli has been implementing Choice Based Credit System (CBCS) at ~~Post~~graduate level for M.A. program since 2017 for the following subjects (courses):

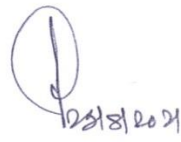
Sr. No.	Programme	Subjects	Remark
1	M.A.	English	Implemented CBCS Scheme by the University for all P. G programme Since session 2016-2017
		Marathi	
		Home Economics	
		Economics	
		History	
		Sociology	
		Political Science	
		Geography	
		Home Economics	

Choice Based Credit System (CBCS) in the above programme and courses is operative from academic year 2019-20 and onwards

Hence certified.

Date: 23.08.2021

  
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Registrar (I/C)  
Gondwana University, Gadchiroli

**1.2.1 Structure of the programme clearly  
indicating courses, credits-**

**Programmes in the college are –**

1. **B. Sc.**
2. **M. Sc.**
3. **B. A.**
4. **M. A.**
5. **Ph. D.**

**Choice Based Credit System implemented from Session  
2017-2018 onwards for B. Sc./ B. A.**

*Nilkanthrao Shinde Science and Arts College, Bhadrawati  
Dist - Chandrapur*

*Gondwana University, Gadchiroli*

**Reference:** GUG/Aca/78/2017 Dated 06/07/2017

This letter from Gondwana University, Gadchiroli to all colleges. It shows that CBCS syllabus is now part of curriculum from the session 2017-2018 in Science, Arts and Commerce streams of Gondwana University, Gadchiroli.

Dr. Vijay Silhar  
Deputi Registrar (Academic)  
Gondwana University, Gadchiroli

  
**Dr. L.S. Ladke**  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

## गोंडवाना विद्यापीठ, गडचिरोली

महाराष्ट्र शासन अधिसूचना क्रमांक २००७/(३२२/०७)विशि-४ महाराष्ट्र अधिनियम, १९९४(१९९४ चा महा. ३५) या कलम ३ च्या पोटकलम(२) अन्वये दिनांक २७ सप्टेंबर, २०११ रोजी स्थापित राज्य विद्यापीठ (विद्या विभाग)

एम.आय.डी.सी. रोड कॉम्प्लेक्स गडचिरोली - ४२२६०५ फोन:०७९३२ - २२६५५४, २२३१०४,२२३३२३  
जा.क्र./गोविग./विद्या/६८./२०१७ दिनांक : ०९/०९/२०१७

### परिपत्रक

गोंडवाना विद्यापीठाशी संलग्नित सर्व महाविद्यालयांना परिपत्रकाद्वारे कळविण्यात येते की, शैक्षणिक सत्र २०१७-१८ पासून विद्यापीठातील सर्व पदवी अभ्यासक्रमांना Choice Based Credit System लागू करण्यात आलेले आहे. सर्व विद्याशाखेतील पदवी अभ्यासक्रमांचे Choice Based Credit System चे अभ्यासक्रम विद्यापीठाचे संकेतस्थळ [www.unigug.org](http://www.unigug.org) वर प्रकाशित करण्यात आलेले आहेत. सर्व संलग्नित महाविद्यालयातील प्राचार्यांनी संकेतस्थळावरील अभ्यासक्रमांचे अवलोकन करून महाविद्यालयातील प्राध्यापक, विद्यार्थी इत्यादींना अवगत करावे, हि विनंती.

मा.कुलगुरू महोदयांचे आदेशान्वये,

*Willness*  
(डॉ. विजय सिल्लार)  
उपकुलसचिव(विद्या)

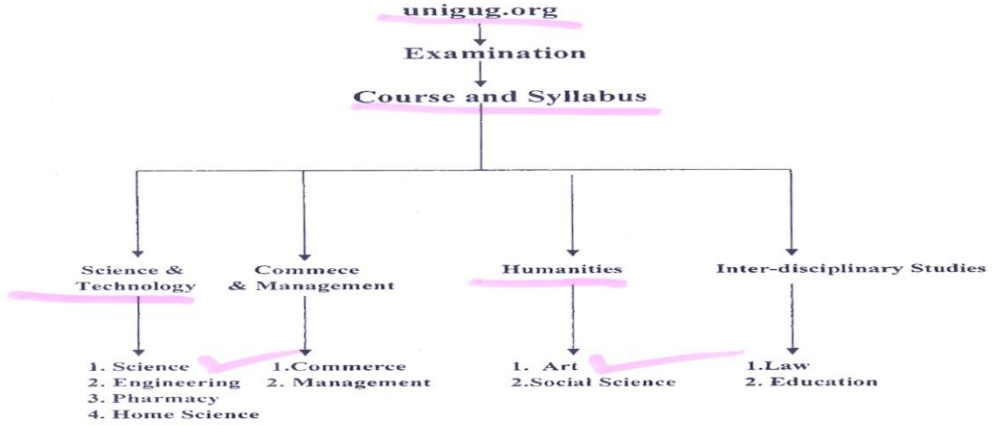
गोंडवाना विद्यापीठ, गडचिरोली

प्रतिलिपी:-

१. मा.कुलगुरू महोदयांचे कार्यालय, गोंडवाना विद्यापीठ, गडचिरोली यांना समादाराने सादर.
२. मा.संचालक(परिक्षा व मूल्यमापन मंडळ), गोंडवाना विद्यापीठ, गडचिरोली यांना माहिती व कार्यवाहीस्तव सादर.
३. मा.प्राचार्य, सर्व संलग्नित महाविद्यालय, गोंडवाना विद्यापीठ, गडचिरोली यांना माहिती व कार्यवाहीस्तव सादर.
४. मा.सर्व विभागप्रमुख, गोंडवाना विद्यापीठ, गडचिरोली.

*Ladke*  
Dr. L.S. Ladke  
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Bhadrawati, Dist-Chandrapur

CBCS पदवी अभ्यासक्रम Download करण्यासाठी खालील पध्दतीचा अवलंब करावा.



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# CBCS implemented for B. Sc. From Session 2017-2018 onwards

## Choice Based Credit System For B.Sc.



**GONDWANA UNIVERSITY, GADCHIROLI.**

**DIRECTION NO. 29 OF 2017**

**EXAMINATIONS LEADING TO THE DEGREE OF (विज्ञान स्नातक) BACHELOR OF SCIENCE (B.SC.) (SIX SEMESTER DEGREE COURSE) BASED ON CHOICE BASED CREDIT SYSTEM (CBCS) IN THE FACULTY OF SCIENCE AND TECHNOLOGY DIRECTION, 2017.**

(Issued under Provision of Section 12(8) of the Maharashtra Public Universities Act, 2016.)

Whereas, The Maharashtra Public Universities Act, 2016 has come into force with effect from 1<sup>st</sup> March 2017 (Maharashtra Act No. VI of 2017) (hereinafter referred to as the Act);

AND

Whereas, the above mentioned Act is applicable to the Gondwana University, Gadchiroli from 1<sup>st</sup> March, 2017;

AND


Whereas, the chairman, U.G.C. New Delhi has directed the Vice-Chancellor of the university to initiate steps for successful implementation of the choice based credit system (CBCS) from the Academic Session 2015-16 vide letter D.O.No.F-1-1/2015(CM) dated 8/01/2015 ;

AND

Whereas, the U.G.C. has formulated and issued guidelines on adoption of choice based credit system in all the universities;

AND

Whereas, the Vice-Chancellor has directed, on the basis of the resolution of the authorities of the university, to formulate and introduce choice based

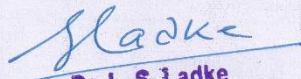
  
**Dr. L. S. Ladke**  
**PRINCIPAL**  
**N.S. Science & Arts College**  
**Bhadrawati, Dist-Chandrapur**

21. All theory examinations shall be conducted by Gondwana University Gadchiroli at the end of each Semester.
22. Practical examination for all odd semesters shall be conducted at the college level and all even semester, by Gondwana University, Gadchiroli.
23. Duration of practical examinations shall be 6 to 8 hrs, for one or two day, depending upon subject and number of students.
24. The number of papers, practicals, teaching hours, the maximum marks allotted and minimum marks which an examinee must obtain in order to pass the examination, all details are shown in Appendices A, B1 & B2 appended to this Direction.
25. The scheme of awarding marks for internal assessment with every detail shall be as per appendix C appended with this Direction.
26. Notwithstanding anything to the contrary of this Direction, no candidates shall be admitted to B.Sc. part I. (semester I and II), B.Sc. II- (Sem. III and IV) and B.Sc. final (semester V and VI) examinations under this Direction, if he/she has already passed the corresponding or an equivalent examination of any other statutory University.
27. As soon as possible after the examinations the Board of Examination shall publish a list of successful examinees at the B.Sc. Part-I. (Sem. I & II) B.Sc. Part-II. (Sem. III & IV) and B.Sc. Final (Sem. V & VI) Examinations. The result of all examinations shall be classified on the basis of semester Grade point Average 'SGPA' evaluated as specified in the adopted model CBCS ( Appendix D).
28. The examinees who have secured pass grade in all subjects prescribed for all the examinations shall be eligible for the award of Degree of Bachelor of Science. The classification of division of examinees for the award of Degree of Bachelor of Science shall be on the basis of Cumulative Grade Point Average 'CGPA' evaluated by accounting SGPA of all semesters as demonstrated in the Appendix D.
29. Successful Examinees at the final examination shall be on payment of the prescribed fees, will be entitled for the award of the degree in the prescribed form signed by the Vice Chancellor.
30. Absorption scheme to switch over from yearly to semester pattern  
(From other University to Gondwana University)
  - a) The candidates who have cleared first year annual pattern examination in the subject shall get admission to third semester directly by matchable scheme. However, candidates who are allowed to keep term will not be eligible for admission to third semester unless they clear all the papers and practicals of first year annual pattern examination.
  - b) Admission to 5<sup>th</sup> semester, student should clear second year annual pattern examination in all subjects.

Gadchiroli

Date: 22/08/2017

(Dr. N. V. Kalyankar)  
Vice Chancellor

  
Dr. L. S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

## B. Sc. Credit Points

Appendix-A

**Bachelor of Science**  
Teaching and Examination scheme  
Three year (Six SEMESTERS) CBCS Degree Programme  
B.Sc. I (Semester I and II)

Sr .N o	Subjects	Teaching scheme		Examination Scheme												
				Theory									Practical			
				Th+Tu Periods	Pr(Periods)	Total periods	Credits	Duration Hrs	Max.mark Th paper	Min Passing Marks Th	Max marks IA	Min. passing IA	Total	Min. passing Marks	Duration hrs.	Max. mark practical
1.	AECC-English	4	--	4	4	3	80	32	20	08	100	40	--	--	--	100
2.	AECC-Second Language	3	--	3	4	3	80	32	20	08	100	40	--	--	--	100
3.	Science Core I Paper I,II and Practical, excluding Mathematics	3+ @	--	6+ @	6	3	40	40	10	08	120	48	--	--	--	150
4.	Science Core II, Paper I,II and Practical, excluding Mathematics	3+ @	--		6	3	40		10				--	--	--	
5.	Science Core III, Paper I,II and Practical, excluding Mathematics For Core III Mathematics refer to row No 6&7.	--	--	6	6	--	--	--	--	--	--	--	6 - 8*	30	11	--
6.	Mathematics (Paper I)	4+1	--	8+ 2	3	3	60	48	15	12	150	60	--	--	--	150
7.	Mathematics (Paper II)	4+1	--		3	3	60		15				--	--	--	

*Ladke*  
**Dr. L. S. Ladke**  
**PRINCIPAL**  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

## Appendix-B1

**Bachelor of Science**  
Teaching and Examination scheme  
Three year (SIX SEMESTERS) CBCS Degree Programme  
B.Sc. Part II (Semester III and IV)

Sr. No	Subjects	Teaching scheme		Examination Scheme												
				Theory							Practical					
		Th+Tu Periods	Pr(Periods)	Total periods	Credits	Duration hrs	Maxi.mark Th paper	Min Passing Marks Th	Max marks IA	Min.passing IA	Total	Min. passing Marks	Duration hrs.	Max.marks practical	Min.passing marks	Total marks
1.	Science Core I Paper I,II and Practical, excluding Mathematics	3+ @	--	6 + @	6	3	50	40	10	08	120	48	-	--	--	150
2.	Science Core II Paper I,II and Practical, excluding Mathematics	3+ @	--	6	6	3	50		10				-	--	--	
3.	Science Core III, Paper I,II and Practical, excluding Mathematics. If Core III is Mathematics then refer to row no. 4,5.	--	--	6	6	--	--	--	--	--	--	--	6 - 8 *	30	11	
4.	Mathematics (Paper I)	4+1	--	8	3	3	60		15	12	150	60	-	--	--	150
5.	Mathematics (Paper II)	4+1	--	2	3	3	60	48	15				-	--	--	

Note: Th=theory, Pr=practical, Tu=tutorial, IA=Internal Assessment, @ = Tutorials wherever applicable, \* = If required for two days.

*Ladke*

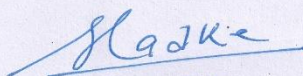
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**PRINCIPAL**  
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Bhadrawati, Dist-Chandrapur

Appendix-B2

Bachelor of Science  
Teaching and Examination scheme  
Three year (SIX SEMESTERS) CBCS Degree Programme  
B.Sc. Final (Semester V and VI)

Sr. No	Subjects	Teaching scheme		Examination Scheme											
				Theory								Practical			
				Th+Tu Periods	Pr(Periods)	Total periods	Credits	Duration hrs	Maxi.mark Th paper	Min Passing Marks Th	Max marks IA	Min.passing IA	Total	Min. passing Marks	Duration hrs.
1.	Science DSE I Paper I,II and Practical, excluding Mathematics	3+ @	-	6	3	50	40	10	08	120	48	-	-	-	150
2.	Science DSE II Paper I,II and Practical, excluding Mathematics	3+ @	--	6	3	50		10				-	-	-	
3.	Science DSE III Paper I,II and Practical, excluding Mathematics If DSE III is Maathematics then refer row no.4,5	--	--	6	6	--	--	--	--	--	--	6	30	11	
4.	Mathematics (Paper I)	4+1	--	8	3	3	60	15	12	150	60	-	--	--	150
5.	Mathematics (Paper II)	4+1	--	2	3	3	60	48	15			-	--	--	

Note: Th=theory, Pr=practical, Tu=tutorial, IA=Internal Assessment, @ = Tutorials wherever applicable, \* = If required for two days.

  
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PRINCIPAL  
N.S. Science & Arts College  
Bnadrawati, Dist-Chandrapur

**Details of courses under Undergraduate programme B.Sc.**

1)	(i) Core courses (12) with practical			
		Theory	12x4 =	48
		Practical	12x2 =	24
				72
	(ii) Core courses without practical		12x6 =	72
2)	(i) Elective courses (6) with practical			
		Theory	6x4 =	24
		Practical	6x2 =	12
				36
	(ii) Elective courses (6) without practical		6x6 =	36
3)	Ability enhancement courses(4)			
		Compulsory	4x4 =	16
4)	Skill enhancement Courses (04)		4x2 =	08

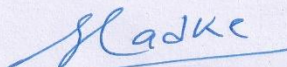
**Total 132 credits for complete B.Sc. Programme.**

Sem. I	Core (18) + AECC (08)	=	26
Sem. II	Core (18) + AECC (08)	=	26
Sem. III	Core (18) + SEC (02)	=	20
Sem. IV	Core (18) + SEC (02)	=	20
Sem. V	DSE (18) + SEC (02)	=	20
Sem. VI	DSE (18) + SEC (02)	=	20
	<b>Total</b>		<b>132 credits</b>

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**N.S. Science & Arts College**  
**Bhadrawati, Dist. Chhatrapati**

### Scheme for Choice Based Credit System

Semester	Course Opted	Credits
I	Core Course I Paper I (Th) Phy	02
	Core Course I Paper II (Th) Phy	02
	Core Course I (Pr) Phy	02
	Core Course II Paper I (Th) Che	02
	Core Course II Paper II (Th) Che	02
	Core Course II (Pr) Che	02
	Core Course III Paper I (Th) Maths	03
	Core Course III Paper II (Th) Maths	03
	AECC I (English)	04
	AECCII (Marathi/Supl. English/Hindi etc)	04
	Total	26
II	Core Course IV Paper I (Th) Phy	02
	Core Course IV Paper II (Th) Phy	02
	Core Course I V (Pr) Phy	02
	Core Course V Paper I (Th) Che	02
	Core Course V Paper II (Th) Che	02
	Core Course V (Pr) Che	02
	Core Course VI Paper I (Th) Maths	03
	Core Course VI Paper II (Th) Maths	03
	AECC I (English)	04
	AECCII (Marathi/Supl. English/Hindi etc)	04
	Total	26

  
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**Bhadrawati, Dist-Chandrapur**

III	Core Course VII Paper I (Th) Phy	02
	Core Course VII Paper II (Th) Phy	02
	Core Course VII (Pr) Phy	02
	Core Course VIII Paper I (Th) Che	02
	Core Course VIII Paper II (Th) Che	02
	Core Course VIII (Pr) Che	02
	Core Course IX Paper I (Th) Maths	03
	Core Course IX Paper II (Th) Maths	03
	SEC I (Environmental Studies)	02
		Total
IV	Core Course X Paper I (Th) Phy	02
	Core Course X Paper II (Th) Phy	02
	Core Course X (Pr) Phy	02
	Core Course XI Paper I (Th) Che	02
	Core Course XI Paper II (Th) Che	02
	Core Course XI (Pr) Che	02
	Core Course XII Paper I (Th) Maths	03
	Core Course XII Paper II (Th) Maths	03
	SEC II (chosen by student)	02
	Total	20
V	DSE I Paper I (Th) Phy	02
	DSE I Paper II (Th) Phy	02
	DSE I (Pr) Phy	02
	DSE II Paper I (Th) Che	02
	DSE II Paper II (Th) Che	02
	DSE II (Pr) Che	02
	DSE III Paper I (Th) Maths	03
	DSE III Paper II (Th) Maths	03
	SEC III	02

*Ladke*  
**Dr. L. S. Ladke**  
**PRINCIPAL**  
**N.S. Science & Arts College**  
**Bhadrawati, Dist-Chandrapur**



		Total
		20
VI	DSE IV Paper I (Th) Phy	02
	DSE IV Paper II (Th) Phy	02
	DSE IV (Pr) Phy	02
	DSE V Paper I (Th) Che	02
	DSE V Paper II (Th) Che	02
	DSE V (Pr) Che	02
	DSE VI Paper I (Th) Maths	03
	DSE VI Paper II (Th) Maths	03
	SEC IV	02
		Total
		20

**Total Credit for all the Semesters will be 132 for B.Sc. programme**

**Note: Non Practical Courses (Subjects) credit will be calculated on theory only**

**Assigning course-wise credits: Steps for implementation:**

**1. General Overview :-**

The value of a particular course can be measured in number of credit points. The value of one credit may be equal to 30 to 40 hours of learning.

The scheme of examination is divided into 2 parts: internal assessment and external assessments (Semester End Examination).

Internal assessment includes: Assessment, Seminars, Case studies, Quizzes, Viva, Unit test etc.

The semester wise credit points earned by learner for under graduate Programme shall be of 132 credits.

*Ladke*

**Dr. L. S. Ladke**  
**PRINCIPAL**  
**N.S. Science & Arts College**  
**Bhadrawati, Dist. Chandrapur**

Programme	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	TotalCredits
Under	26	26	20	20	20	20	132
Graduate							

## 2. Credit based evaluation system:

### Scheme of examination:-

It is divided into two points: Internal assessment & external assessment (semester end examination conducted by university). Internal assessment includes: Assessment, Seminars, case studies, Quizzes, Viva, Unit test etc.

The Semester End Examination for each course with practical will be as follows

One theory course of two papers: 100 marks (External assessment- University examination)

20 marks (Internal assessment)

Total 120


One practical course: 30 marks

( Practical Examination for Odd Semester will be at college level and for Even semester at university level with external examiner )

### Passing standard and performance Grading –

The term 'Pass' means minimum 'D' grade or above in point grade scale 'Fails' means grade 'F' in the grade scale.

The learners to 'pass' a course shall have to obtain minimum of 40% marks in each course (external evaluation + internal evaluation together)

  
**Dr. L. S. Ladke**  
**PRINCIPAL**  
**N.S. Science & Arts College**  
**Bhadrapati, Dist-Chandrapur**

# Choice Based Credit System for B. A.

## **GONDWANA UNIVERSITY, GADCHIROLI.**

### **DIRECTION NO. 32 OF 2017**

(Issued under Provision of Section 12(8) of the Maharashtra Public Universities Act, 2016.)

### **EXAMINATIONS LEADING TO THE DEGREE OF BACHELOR OF ARTS(B.A.)(SIX SEMESTER DEGREE COURSE) BASED ON CHOICE BASED CREDIT SYSTEM IN THE FACULTY OF HUMANITIES(AMENDMENT) DIRECTION,2017.**

**Whereas,** The Maharashtra Public Universities Act, 2016 i.e. Maharashtra Act No. VI of 2017 has been made applicable to the university with effect from the 1<sup>st</sup> March,2017;

**AND**

**Whereas,** Ordinance No. 119 of 2017 was made by the Management council in respect of Examinations leading to the Degree of Bachelor of Arts (B.A.)(Six semester Degree Course) based on Choice Based Credit System in the Faculty of Humanities Ordinance,2017;

**AND**


**Whereas,** the said ordinance No.119 of 2017, is applicable to Bachelor of Arts degree course from the Academic year 2017-2018 ;

**AND**

**Whereas,** the scheme of Examinations provided under the said ordinance No.119 of 2017 in respect of the subject 'Indian Music' is not suitable to the course structure based on Choice Based Credit System of the said subject;

**AND**

**Whereas,** the meeting of the Board of studies in Music was held on 18/08/2017 for preparing course structure and the scheme of Examinations for the subject Indian Music appointed for Bachelor of Arts(B.A.)degree course;

 **AND**  
Dr. T.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

**Whereas,** the Board of studies in Music has submitted the course and examinations scheme with Choice Based Credit System for Indian Music subject Appointed for Bachelor of Arts degree course(B.A.);

**AND**

**Whereas,** the course and sheme of Examinations submitted and recommended by the Board of studies in Music has been accepted by the Vice-Chancellor under provision of section 12(7)of the Act, on behalf of the Faculty of Humanities and the Academic Council on 16 / 09 /2017;

**AND**

**Whereas,** the scheme of examinations for the subject Indian Music at the Bachelor of Arts degree level was required to be included in the existing ordinance No. 119 of 2017 by way of making amendment in the said Ordinance;

**AND**

**Whereas,** the Matter is required to be regulated by an ordinance as provided under the Act;

**AND**

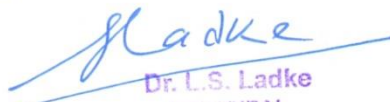
**Whereas,** amending of an Ordinance No. 119 of 2017 is a time consuming process;

**AND**

**Whereas,** there is an emergency for including the scheme of examinations, relating to Indian Music, in Ordinance No. 119 of 2017 which is applicable from the Academic Session 2017-2018:

**Now,** therefore, I,Dr. N.V. Kalyankar, Vice-Chancellor, Gondwana University, Gadchiroli in exercise of the powers conferred upon me under provision of section 12(8) of the Maharashtra Public Universities Act,2016 do hereby issue following Directions to amend Ordinance No. 119 of 2017:-

1. This Direction shall be called "Examinations leading to the Degree of Bachelor of Arts (B.A.)(Six semester degree course) based on the choice based credit system in the faculty of Humanities, (Amendment) Direction,2017."

  
Dr. L.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

2. This Direction shall come into force with effect from the date of its issuance.

3. In Ordinance No. 119 Of 2017 in respect of Examinations leading to the Degree of Bachelor of Arts (B.A.)(Six semester Degree Course) based on Choice Based Credit System in the faculty of Humanities ordinance 2017(hereinafter referred to as the main Ordinance)

1) Serial No. '1' appearing after para 3,8) with a title "B.A.(Bachelor of Arts) degree under the Faculty of Humanities" be substituted by serial No. "4".

2) Serial No. '2' appearing after para 3, 8) with a title "Scheme for teaching & Examinations" be substituted by Serial No. "5".


4. After clause (xiv) of above renumbered para '5' and before clause (xv) of the said renumbered para '5' of the main ordinance, following proviso be added.

"Provided that course and examinations scheme with choice based credit system for Indian Music (Core discipline specific course) shall be as provided under Appendix-VI appended with this Direction."

Gadchiroli

Date :- 27 / 09 / 2017

(Dr. N.V. Kalyankar)  
Vice-Chancellor

  
Dr. L.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

## Choice Based Credit System for B. A.

### B.A. Direction & Scheme

#### GONDWANA UNIVERSITY, GADCHIROLI

##### DIRECTION NO. 18 sOF 2017

##### **EXAMINATIONS LEADING TO THE DEGREE OF BACHELOR OF ARTS(B.A.)(SIX SEMESTER DEGREE COURSE) BASED ON THE CHOICE BASED CREDIT SYSTEM IN THE FACULTY OF HUMANITIES DIRECTION,2017**

(Issued under Provision of Section 12(8) of the Maharashtra Public Universities Act, 2016.)

**Whereas,**The Maharashtra Public Universities Act, 2016 has come into force with effect from 1<sup>st</sup> March 2017(Maharashtra Act No. VI of 2017);

AND

**Whereas,**the above mentioned Act is applicable to the Gondwana University, Gadchiroli from 1<sup>st</sup> March, 2017;

AND

**Whereas,**the chairman, U.G.C. New Delhi has directed the Vice-Chancellor of the university to initiate steps for successful implementation of the choice based credit system(C.B.C.S.) from the Academic Session 2015-16 vide letter D.O.No.F-1-1/2015(CM) dated 8/01/2015 ;

AND

**Whereas,** the U.G.C. has formulated and issued guidelines on adoption of choice based credit system in all the universities;

AND

**Whereas,** the vice-chancellor has directed, on the basis of the resolution of the authorities, to formulate and introduce choice based credit system at U.G. and P.G. level programme in all the faculties in the university;

AND

**Whereas,**the matter to introduce choice based credit system is required to be regulated by an ordinance to be made in this behalf;

AND

**Whereas,** no ordinance is in existence in the university for introducing choice based credit system in the faculty of Humanities;

AND

**Whereas,** making of an ordinance for introducing choice based credit system in the faculty of Humanities is a time consuming process;

AND

**Whereas,**the choice based credit system is to be introduced at the Bachelor of Arts degree level in the faculty of Humanities from the Academic year 2017-18;

1

  
Dr. L.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

## B. A. Credit Points

B. A. Credit Points

Gondwana University, Gadchiroli

CE-Copy

Subject : MARATHI / आवश्यक मराठी for the Bachelor of Art  
(Three year UG Course in faculty of Arts)  
Course and Examination Scheme with choice baste Credit system  
(CBCS)

(B.A.) Semester Marathi	Area	Unique subject code (USC)	MARATHI Subject's paper	Credits Per Semester	Examination Scheme					Foundation Courses
					Maximum Marks			Minimum Marks		
					ESE/UE	IE/CE	Total	ESE/UE	SEC	
I	AECC	UAMAR T1	साहित्य वरिटा भाग १	04	80	20	100	40		From a pool of foundation course (02) Credit
II	AECC	UAMAR T2	साहित्य वरिटा भाग १	04	80	20	100	40		From a pool of foundation course (02) Credit
III	AECC	UAMAR T3	साहित्य वरिटा भाग २	04	80	20	100	40	भाषा - मानवी भाषा, मानवित्वरानी भाषा(Audit)	
IV	AECC	UAMAR T4	साहित्य वरिटा भाग २	04	80	20	100	40	भाषा - प्रमाणभाषा वोल्टीभाषा(Audit)	
V	SECC	UAMAR T5	मराठी भाषा आणि व्याकरण	04	80	20	100	40		(Generic) (02)
VI	SECC	UAMAR T6	मराठी भाषा आणि लेखन	04	80	20	100	40		(Project) (04) (Generic) (02)

ESE : Examination Semester End/Uni. Exam  
UE : Unit Exam even Semester  
IE : Internal Evaluation / College Exam  
CE : College Exam

Dr. P.B.BAWANKULE  
Chairman  
(Board of MARATHI)  
Gondwana University Gadchiroli

*Ladke*  
Dr. L.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Shadrawati, Dist-Chandrapur

**B.A. (Pol.Sci.) Credit Points (E-copy)**

Semester Pattern Scheme of Examination for B.A. in Political Science (CBCS) 2017-2018											
				Examination		Internal Assessment		Project Evolution		Total	
				Marks	Credits	Marks	Credits	Marks	Credits	Marks	Credits
B.A. Part I Semester I	Comp. Paper	Indian Democracy	Full Marks	80	3.2	20	0.8	50 FC	02	150	6
			Pass Marks	-	-	-	-	20	-	40	
B.A. Part I Semester II	Comp. Paper	Local Self Government	Full Marks	80	3.2	20	0.8	50FC 100 (Good Governance)	02	250	10
			Pass Marks	-	-	-	-	20+ 40	-	40	
B.A. Part II Semester III	Comp. Paper	Political Theory	Full Marks	80	3.2	20	0.8	-	-	100	4
			Pass Marks	-	-	-	-	-	-	40	
B.A. Part II Semester IV	Comp. Paper	Political Analysis & Concepts	Full Marks	80	3.2	20	0.8	-	-	100	4
			Pass Marks	-	-	-	-	-	-	40	
B.A. Part III Semester V	Paper-A	Indian Political Thought OR Public Administration in India OR Politics of Maharashtra	Full Marks	80	3.2	20	0.8	50 (Generic)	2	150	6
	Paper-B OR Paper-C		Pass Marks	-	-	-	-	20	-	40	
B.A. Part III Semester VI	Paper-A	Western Political Thought OR Diplomacy OR India's Foreign Policy	Full Marks	80	3.2	20	0.8	50 (Generic)	2	150	6
	Paper-B		Pass Marks	-	-	-	-	20	-	40	
	Paper-C		0				100 (Project)	04	100	04	
	PASS Marks						40		40		
<b>TOTAL</b>			Full Marks	480	19.2	120	4.8	300	12	1000	40
			Pass Marks	-	-	-	-	-	-		

*Ladke*

**Dr. L.S. Ladke**  
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Bhadrawati, Dist. Solapur



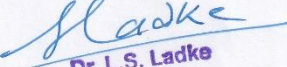
nary) Elective Course (GEC)					2. International Relation. 3. State Politics in India	2. National ism in India 3. Diploma cy	
Project	-	-	-	-	-	Group project recomm ended by subject teacher	04
Total Credits per semester	06	10	04	04	06	10	40

*Ladke*  
**Dr. L.S. Ladke**  
**PRINCIPAL**  
**N.S. Science & Arts College**  
**Bhadrawati, Dist-Chandrapur**

**B.A. Political Science (CBCS)**  
**Syllabus for Gondwana University, Gadchiroli**

- |    |                    |   |   |
|----|--------------------|---|---|
| 1] | B.A. Sem. I        | : | Compulsory Paper, Indian Democracy              |
| 2] | B.A. Sem. II       | : | Compulsory Paper, Local Self Government         |
| 3] | B.A. Sem. III      | : | Compulsory Paper, Political Theory              |
| 4] | B.A. Sem. IV       | : | Compulsory Paper, Political Analysis & Concepts |
| 5] | B.A. Sem. V        | : | Elective Paper A, Indian Political Thought OR   |
|    | (Choose to any One |   | Elective Paper B, Public Administration OR      |
|    | Paper)             |   | Elective Paper C, Politics of Maharashtra       |
| 6] | B.A. Sem. VI       | : | Elective Paper A, Western Political Thought OR  |
|    | (Choose to any One |   | Elective Paper B, Diplomacy OR                  |
|    | Paper)             |   | Elective Paper C, India's Foreign Policy        |

**Dr. Rajendra Sadashiv**  
**Muddamwar**  
Chairman ✓  
BOS Political Science  
Gondwana University, Gadchiroli

  
**Dr. L.S. Ladke**  
PRINCIPAL  
N.S. Science College  
Bhadrawati, Gadchiroli

# Choice Based Credit System implemented from Session 2016-2017 onwards for M. Sc./ M. A.



## **GONDWANA UNIVERSITY, GADCHIROLI**

(Established by Government of Maharashtra Notification No. MISC -2007/(322/07) UNI -4 under Sub Section (2) of Section-3 of the Maharashtra Universities Act, 1994 (Mah-XXXV of 1994))

### Office of the Board of College and University Development

**Dr.S.M. Rokade**  
Director (In-charge)

MIDC Road, Complex, GADCHIROLI - 442 605 (M.S.)  
☎ 07132-223322 Fax : 07132-223322  
Email : [bcud.gondwanauniversity@gmail.com](mailto:bcud.gondwanauniversity@gmail.com)  
web: [unigug.org](http://unigug.org)

L.No./GUG/ 623 /2016

Date: 20/06/2016

To,

Principal of all affiliated colleges  
Gondwana University Gadchiroli.

**Sub. :** Implementation of Choice Based Credit System for all Post Graduate Courses ( 1<sup>st</sup> Semester) from the Academic Year 2016-17.

Sir/Madam

It is hereby informed that, in pursuance of the UGC Guidelines on Adoption of Choice Based Credit System and thereon the resolution of the Academic council in its meeting held on 22<sup>nd</sup> April 2016 has been made applicable to all the Post Graduate courses ( 1<sup>st</sup> Semester) from the academic year 2016-17.

Information about all the syllabi, revised scheme of examination and direction will be displayed on the website of the university on or before 10<sup>th</sup> July 2016.

Dr. S. M. Rokade  
Director (In-charge)  
Board of College and University Development

Copy Submitted to the Hon'ble Vice-chancellor Gondwana University, Gadchiroli for kind information please.

**Copy to;**

- \* Registrar, Gondwana University, Gadchiroli.
- \* Controller of Examinations, Gondwana University, Gadchiroli.
- \* Academic Section, Gondwana University, Gadchiroli.
- \* All departments of university, Gondwana University, Gadchiroli.

Dr. E. S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

# Choice Based Credit System for M. A.

**GONDWANA UNIVERSITY, GADCHIROLI**

**Direction No. 204 of 2016.**

**Faculty of Arts**

(Issued under section 14(8) of the Maharashtra Universities Act, 1994.)

**Examinations leading to the Degree of Master of Arts in Marathi with Choice Based Credit System in Semester Pattern, in the Faculty of Arts, Direction, 2016.**

**Whereas**, the Maharashtra Universities Act ,(Maharashtra Act No. XXXV of 1994) 1994 has come into force with effect from 21<sup>st</sup> July, 1994.

**AND**

**Whereas**, the Dean of the Faculty of Arts has concurred with the recommendations, of the Board of Studies in **Marathi** in the Faculty of Arts, on 7th November, 2015.

**AND**

**Whereas**, the Board of Studies in **Marathi in the** Faculty of Arts at its meeting held on 18<sup>th</sup> March, 2016, decided to make amendments related to **M.A.(Marathi)**. first to last semester, in Choice Based Credit system in Semester Pattern for award of degree of **M.A.(Marathi)(Two years PG course)**, in the Faculty of Arts.

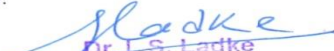
**AND**

**Whereas**, the Faculty of Arts in its meeting held on 15th July, 2016 considered and approved the recommendations of Board of Studies regarding the syllabi of I<sup>st</sup>, II<sup>nd</sup>, III<sup>rd</sup> and IV<sup>th</sup> Semesters as per the course and examination scheme of **M.A. (Marathi)**.

**AND**

**Whereas**, ordinance making is a time consuming process. Now, therefore, I, Dr. N.V. Kalyankar, Vice Chancellor, Gondwana University, Gadchiroli in exercise of powers vested in me under Section 14(8) of the Maharashtra universities Act, 1994 do hereby issue the following Directions:-

1. This Direction shall be called "Examinations leading to the Degree of Master of Arts in Marathi with Choice Based Credit System in Semester Pattern in the Faculty of Arts, Direction, 2016.."
2. This Direction shall come into force from the date of its issuance.
3. The course shall be of the duration of two academic years spread over four semesters and shall have University examinations at the end of each semester.
4. The minimum attendance of student-teachers shall be 75% for each semester.
5. Subject to the compliance with the provisions of this Direction and other Ordinances in force from time to time, an applicant for admission to the examination shall have passed Bachelor's Degree in the relevant discipline of the University or a degree of any other statutory University recognized as equivalent hitherto.

  
Dr. L.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

M.A. Direction about CBCS

Gondwana University, Gadchiroli  
Direction No. 202 of 2016

(Issued under section 14(8) of the Maharashtra Universities Act, 1994.)

**Examinations leading to the Degree of Master of Arts in English with Choice Based Credit System in Semester Pattern in the Faculty of Arts, Direction, 2016.**

Whereas, the Maharashtra Universities Act No. XXXV of 1994 has come into force with effect from 21<sup>st</sup> July, 1994.

AND

Whereas, the Dean of the Faculty of Arts has concurred with the recommendations of the Board of Studies in English in the Faculty of Arts on 7th November, 2015.

AND

Whereas, the Board of Studies in English in the Faculty of Arts at its meeting held on 18<sup>th</sup> March, 2016 decided to make amendments related to **M.A.(English)**, first to last semester, with Choice Based Credit system in Semester Pattern for award of degree of **M.A.(English) (Two years P.G. course)** in the Faculty of Arts.


AND

Whereas, the Faculty of Arts in its meeting held on 15th July, 2016 considered and approved the recommendations of Board of Studies regarding the syllabi of I<sup>st</sup>, II<sup>nd</sup>, III<sup>rd</sup> and IV<sup>th</sup> Semesters and examination schemes of **M.A. (English)**.

AND

WHEREAS, ordinance making is a time consuming process. Now therefore, I, Dr. N.V. Kalyankar, Vice Chancellor of Gondwana University, Gadchiroli in exercise of powers vested in me under Section 14(8) of the Maharashtra universities Act, 1994 do hereby issue the following Directions.

1. This Direction shall be called "Examinations leading to the Degree of Master of Arts in English with Choice Based credit system **M.A.(English)**, first to last semester in Choice Based Credit System in Semester Pattern in the Faculty of Arts, Direction, 2016 "
2. This Direction shall come into force from the date of its issuance.
3. The course shall be of the duration of two academic years spread over four semesters and shall have University examinations at the end of each semester.
4. The minimum attendance of student-teachers shall be 75% for each semester.
5. Subject to the compliance with the provisions of this Direction and other Ordinances in force from time to time, an applicant for admission to the examination shall have passed Bachelors Degree in the relevant discipline of this University or of any other University recognized as an equivalent hitherto.
6. The A.T.K.T. rules for admission shall be as given in the following table.

  
Dr. L.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

## Credit Points for M. A.

### Appendix-A

#### M.A.MARATHI SCHEME

#### Teaching and Examination Scheme (CBCS) system

Subject	Course Scheme			No. of Credits	Examination Scheme					
	L	T/Others	P		Maximum Marks			Minimum Passing Marks		
					ESE	IA	Total	ESE	IA	Total
<b>Semister I</b>										
CORE I-अर्वाचीनकविताभाग-१ (१८८५ ते १९४५)	4	2	-	(4+1)5	80	20	100	32	08	40
CORE II-साहित्यशास्त्र भाग-१	4	2	-	(4+1)5	80	20	100	32	08	40
ELECTIVE P.गद्य भाग-१ (प्राचीन)	4	2	-	(4+1)5	80	20	100	32	08	40
ELECTIVE P.मराठीवैचारिकनिबंध भाग-१										
ELECTIVE P.नाटकभाग-१	4	2	-	(4+1)5	80	20	100	32	08	40
ELECTIVE P.लोकसाहित्य भाग-१										
<b>Semister II</b>										
<b>Appendix-B</b>										
CORE I-अर्वाचीनकविताभाग-२ (१९४५ ते २०००)	4	2	-	(4+1)5	80	20	100	32	08	40
CORE II-साहित्यशास्त्र भाग-२	4	2	-	(4+1)5	80	20	100	32	08	40
ELECTIVE P.गद्य भाग-२ (अर्वाचीन)	4	2	-	(4+1)5	80	20	100	32	08	40
ELECTIVE P.मराठीवैचारिकनिबंध भाग-२										
ELECTIVE P.नाटकभाग-२	4	2	-	(4+1)5	80	20	100	32	08	40
ELECTIVE P.लोकसाहित्य भाग-२										

Semister III				Appendix-C							
CORE I-प्राचीन- मध्ययुगीनमराठीकविताभाग- १	4	2	-	(4+1) 5	80	20	100	32	08	40	
CORE II-भाषाविज्ञानभाग- १	4	2	-	(4+1) 5	80	20	100	32	08	40	
ELECTIVE P. विशेषग्रंथकार : तुकारामभाग- १	4	2	-	(4+1) 5	80	20	100	32	08	40	
ELECTIVE P. विशेषग्रंथकार : अण्णाभाऊसाठेभाग- १											
ELECTIVE P. मराठीवाङ्. मयाचाइतिहासभाग- १ (आरंभापासून ते इ.स. १८१८ पर्यंत)	4	2	-	(4+1) 5	80	20	100	32	08	40	
ELECTIVE P. नवेवाङ्. मय प्रवाहभाग १ : दलित व स्त्रीवादीसाहित्य											
Semister IV				Appendix-D							
CORE I-प्राचीन- मध्ययुगीनमराठीकविताभाग- २	4	2	-	(4+1) 5	80	20	100	32	08	40	
CORE II-भाषाविज्ञानभाग- २	4	2	-	(4+1) 5	80	20	100	32	08	40	
ELECTIVE P. विशेषग्रंथकार : तुकारामभाग- २	4	2	-	(4+1) 5	80	20	100	32	08	40	
ELECTIVE P. विशेषग्रंथकार : अण्णाभाऊसाठे भाग-२											
ELECTIVE P. मराठीवाङ्. मयाचाइतिहास भाग-२ (१८१८ ते २०००)	4	2	-	(4+1) 5	80	20	100	32	08	40	
ELECTIVE P. नवेवाङ्. मय प्रवाहभाग २ : ग्रामीण व आदिवासीसाहित्य											
<b>Total</b>				<b>80</b>				<b>1600</b>			

**Note :-** L- Lecture T- Tutorial P- Practical ESE- End Semester Examination IA- Internal Assessment  
(Two Core Paper And Two Elective Paper)

Others- Two hours per week of assignment/presentation of one credit for each paper is prescribed in each semester.

**M.A.ENGLISH**  
**Teaching and Examination Scheme(CBCS)system**

Subject	Course Scheme			No. of Credits	Examination Scheme						
					Maximum Marks			Minimum Passing Marks			
	L	T/others	P	ESE	IA	Tota	ESE	IA	Total		
<b>M.A. English Semester I</b>											
CORE I- CC 1	4	2	-	5	80	20	100	32	08	40	
CORE II- CC 2	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 1	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 2											
ELECTIVE P. -EC 3											
ELECTIVE P. -EC 4											
ELECTIVE P. -EC 5											
ELECTIVE P. -EC 6	4	2	-	5	80	20	100	32	08	40	
<b>Semister II</b>											
<b>Appendix-B</b>											
CORE I- CC 3	4	2	-	5	80	20	100	32	08	40	
CORE II- CC 4	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 7	4	2-	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 8											
ELECTIVE P. -EC 9											
ELECTIVE P. -EC 10											
ELECTIVE P. -EC 11	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 12											
<b>Semister III</b>											
<b>Appendix-C</b>											
CORE I- CC 5	4	2	-	5	80	20	100	32	08	40	
CORE II- CC 6	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 13	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 14											
ELECTIVE P. -EC 15											
ELECTIVE P. -EC 16											
ELECTIVE P. -EC 17											
ELECTIVE P. -EC 18	4	2	-	5	80	20	100	32	08	40	
<b>Semister IV</b>											
<b>Appendix-D</b>											
CORE I- CC 7	4	2	-	5	80	20	100	32	08	40	
CORE II- CC 8	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 19	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 20											
ELECTIVE P. -EC 21											
ELECTIVE P. -EC 22											
ELECTIVE P. -EC 23	4	2	-	5	80	20	100	32	08	40	
ELECTIVE P. -EC 24											
<b>Total</b>				80	1600						

**Note:-** L- Lecture T- Tutorial/others- assignment/presentation of one credit for each paper is prescribed in each semester. P- Practical ESE- End Semester Examination IA- Internal Assessment(Two Core Papers And Two Elective Papers to be opted by students each semester. If a student opts 1st part of a paper he shall opt IInd part of the same paper in the next semester)

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**Bhadrawati, Dist-Chandrapur**



# Choice Based Credit System for M. Sc.

choice Based Credit system  
For M.Sc.

**Gondwana University Gadchiroli**  
**FACULTY OF SCIENCE**  
**DIRECTION NO. 207 OF 2016**

**EXAMINATIONS LEADING TO THE DEGREE OF MASTER OF SCIENCE, SEMESTER  
PATTERN WITH CHOICE BASED CREDIT SYSTEM, DIRECTION, 2016.**

(Issued under Section 14(8) of the Maharashtra Universities Act, 1994)

**Whereas**, the Maharashtra Universities Act, 1994 (hereinafter referred to as the Act) has come into force from 21<sup>st</sup> July, 1994 and was amended from time to time,  
AND

**Whereas**, the University Grants Commission, New Delhi vide letter No.D.O.No.F-1-1/2015 (CM) dated 8<sup>th</sup> January 2015 to introduce Choice Based Credit System at the earliest from the academic session 2015-16 to provide option to students and also seamless mobility across the institutions.  
AND

**Whereas**, the Board of Studies in all the Science subjects in their meetings held during 24.4.2015 prepared the syllabi and scheme of examinations for the M. Sc. courses and recommended for starting of the Choice Based Credit System in the Faculty of Science from the academic session 2015-16,  
AND

**Whereas**, the faculty of Science in its meeting held on 20.5.2015 vide item No. 16, has considered, accepted and recommended to Academic Council, the policy decision regarding introduction of Choice Based Credit System and the Draft syllabi of M. Sc. Semester-I to IV with Draft Direction and other details.  
AND

**Whereas**, the Academic Council in its meeting held on 23/08/2016 vide has considered, accepted and recommended to Management Council, for M.Sc., along with Draft Direction and other details.  
AND

**Whereas**, the Management Council in its meeting held on 24/08/2016 vide has considered, accepted the Draft Direction and other details.  
AND

**Whereas**, the new Draft Direction and scheme of examinations as per semester pattern are to be implemented from the Academic Session 2016-17 for M.Sc. semester I and onwards which is to be regulated by this Direction and as such there is no ordinance in existence and framing of an Ordinance for the above examinations is a time consuming process.  
AND

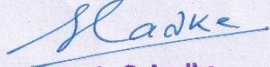
**Whereas**, the admission of students in the Choice Based Credit System at M.Sc. Semester I are to be made in the Academic Session 2016-17.  
AND

**Whereas**, ordinance making is a time consuming process, Now, therefore, I, Dr. N.V. Kalyankar, Vice Chancellor Gondwana University, Gadchiroli in exercise of powers vested in me under Section 14(8) of the Act, do hereby issue the following Directions :-

1. This Direction may be called " examinations leading to the Degree of Master of Science, Semester Pattern with Choice Based Credit System, Direction, 2016"
2. This direction shall come into force from the date of its issuance.
3. The duration of the M. Sc. course shall be of two academic years consisting of four semesters with the University examinations at the end of each semester detailed in the following table.

- a) M. Sc. Semester I Exam,
- b) M. Sc. Semester II Exam,
- c) M. Sc. Semester III Exam, and
- d) M. Sc. Semester IV Exam

TABLE

  
**Dr. L. S. Ladke**  
**PRINCIPAL**  
**N.S. Science & Arts College**  
**Shadrawati, Dist-Chandrapur**

Sr. No.	Name of the examination	Main Examination	Supplementary Examination
1	2	3	4
1	Semester I, III	Winter	Summer
2	Semester II, IV	Summer	Winter

**ELIGIBILITY TO THE COURSE:**

4. Subject to their compliance with the provisions of this Direction and of other ordinances in force from time to time, the following applicant candidates shall be eligible for the admission to Master of Science Course and examinations thereof.

**Eligibility for Semester I**

<b>A</b> For M.Sc. (Physics)	For admission to the M. Sc. Semester I in Physics, a candidate shall have offered Physics as one of the subjects at the qualifying B.Sc. Examination.
<b>B</b> For M.Sc. (Chemistry)	For admission to the M. Sc. Semester I in Chemistry, a candidate shall have offered Chemistry / Industrial Chemistry as one of the subjects at the qualifying B.Sc. Examination.
<b>C</b> For M.Sc. (Mathematics)	For admission to the M. Sc. Semester I in Mathematics, a candidate shall have offered Mathematics as one of the subjects at the qualifying B.Sc. Examination.
<b>D</b> For M.Sc. (Computer Science)	For admission to the M. Sc. Semester I in Computer Science, a candidate shall have offered Computer Science as one of the subjects at the qualifying B.Sc. examination or with Post B.Sc. diploma course in Computer Science of Gondwana University or any other statutory university with optional subjects Computer Maintenance / B.Sc. (Information Technology) / B.C.A/MCA* *Studied Maths subject at B.Sc. level.
<b>E</b> For M.Sc. (Electronics)	For admission to the M. Sc. Semester I in Electronics, a candidate shall have offered Electronics / Computer Maintenance/ B.Sc. IT and BCA as one of the subjects at the Qualifying B.Sc.; B.Sc. IT and BCA Examination.
<b>F</b> For M.Sc. (Botany)	For admission to the M. Sc. Semester I in Botany, a candidate shall have offered Botany as one of the subjects at the qualifying B.Sc. Examination / B.Sc. Agriculture Science.
<b>G</b> For M.Sc. (Zoology)	For admission to the M. Sc. Semester I in Zoology, a candidate shall have offered Zoology as one of the subjects at the qualifying B.Sc. Examination.
<b>H</b> For M.Sc. (Microbiology)	For admission to the M. Sc. Semester I in Microbiology, a candidate shall have offered Microbiology/ Biotechnology as a subject of study at qualifying B.Sc. Examination.
<b>I</b> For M.Sc. (Biochemistry)	For admission to the M. Sc. Semester I in Biochemistry, a candidate shall have offered Chemistry and Biochemistry as subjects of study at B.Sc. Examination.
<b>J</b> For M.Sc. (Biotechnology)	For admission to the M. Sc. Semester I in Biotechnology, a candidate shall be a Life Science graduate / Veterinary / Fishery Sciences / Pharmacy / Engineering Technology / Medicine (MBBS) / B.D.S. / B.Sc. Agriculture Science.

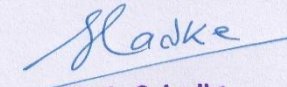
*Ladke*  
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**Bhadrawati, Dist-Chandrapur**

- b) The candidates who have cleared first and second semester of Part I of the Credit Based Semester Pattern examinations in the concerned subject shall get admission to Third Semester of Part II of the Choice Based Credit System directly. However, candidates who are allowed to keep term will not be eligible for admission to Third Semester of Part II of the Choice Based Credit System unless they clear all the papers and practical of first and second semester of Part I of the Credit Based Semester Pattern examinations.
15. Absorption scheme for failure students of annual pattern:  
The candidates who have cleared first year of annual pattern shall get admission to Semester III of the Choice Based Credit System directly. However, candidates who are allowed to keep term will not be eligible for admission to Third Semester of the Choice Based Credit System unless they clear all the papers and practical of First year of the annual pattern examination.
16. The ATKT rules for admission for the M. Sc. Course (Theory, Practical and Seminar etc. as separate passing head and on calculation fraction, if any, shall be ignored) shall be as given in the following table

Admission to Semester	Rules
Semester I	As provided in the para 4 of the Direction
Semester II	Candidate should have appeared in semester I of University Examination.
Semester III	For Practical Subjects: Candidate should have passed at least 8 papers out of 12 in semester I and II together including practicals. For Non-Practical Subjects (Example Maths): Candidate should have passed at least 6 papers out of 10 in semester I and II together.
Semester IV	Candidate should have appeared in at least one paper of semester III of University Examination.

Gadchiroli.  
Date :- 24 / 08 /2016.

  
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Sd/-  
**(Dr. N.V. Kalyankar)**  
**Vice-Chancellor**

# Credit Points for M. Sc.

Appendix-1

Scheme of teaching and examination under semester pattern Choice Based Credit System (CBCS) for M.Sc. Program in all subjects, except Mathematics.

	Core Course	Ability Enhancement	Skill Based Course	Discipline Specific Elective
<b>SEM I</b>	Core 1 Th. Paper 1 (4 Credits) (4 Hours/Week)	Seminar I (1 Credit) (2 Hours/Week)		
	Core 2 Th. Paper 2 (4 Credits) (4 Hours/Week)			
	Core 3 Th. Paper 3 (4 Credits) (4 Hours/Week)			
	Core 4 Th. Paper 4 (4 Credits) (4 Hours/Week)			
	Pract. Core Pr. 1 {Based on Core Th. 1&2} (4 Credits) (3-8 Hours/Week)			
	Pract. Core Pr. 2 {Based on Core Th. 3&4} (4 Credits) (3-8 Hours/Week)			
	<b>Total 25 Credits</b>			

Appendix-2

	Core Subject	Ability Enhancement	Skill Based Course	Discipline Specific Elective
<b>SEM II</b>	Core 5 Th. Paper 5 (4 Credits) (4 Hours/Week)	Seminar II (1 Credit) (2 Hours/Week)		
	Core 6 Th. Paper 6 (4 Credits) (4 Hours/Week)			
	Core 7 Th. Paper 7 (4 Credits)			
	Core 8 Th. Paper 8 (4 Credits) (4 Hours/Week)			
	Pr. Core Pr. 3 {Based on Core Th. 5&6} (4 Credits) (3-8 Hours/Week)			
	Pr. Core Pr. 4 {Based on Core Th. 7&8} (4 Credits) (3-8 Hours/Week)			
<b>Total 25 Credits</b>				

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Appendix-3

	Core Subject	Ability Enhancement	Skill Enhancement Course	Discipline Specific Elective
<b>SEM III</b>	Core 9 Th. Paper 9 (4 Credits) (4 Hours/Week)	Seminar III (1 Credit) (2 Hours/Week)	Foundation Course I (SEC I) Paper 12 (4 Credits) (4 Hours/Week)	Core Elective I (DSE I) Th. Paper 11 (4 Credits) (4 Hours/Week)
	Core 10 Th. Paper 10 (4 Credits) (4 Hours/Week)			Pr. Core Elective I (DSE I) Practical 6 (4 Credits) (3-8 Hours/Week)
	Pract. Core Pr. 5 {Based on Core Th. 9 & 10} (4 Credits) (3-8 Hours/Week)			
<b>Total 25 Credits</b>				

Appendix-4

Course	Core Subject	Ability Enhancement	Skill Based Course	Discipline Specific Elective
<b>SEM IV</b>	Core 11 Th. Paper 13 (4 Credits) (4 Hours/Week)	Project /Dissertation (4 Credits) (3-8 Hours/Week)	Foundation Course II (SEC II) Th. Paper 16 (4 Credits) (4 Hours/Week)	Core Elective II (DSE II) Th. Paper 15 (4 Credits) (4 Hours/Week)
	Core 12 Th. Paper 14 (4 Credits) (4 Hours/Week)	Seminar IV (1 Credit) (2 Hours/Week)		
	Pr. 7 Based on Core Th. Paper 11:12 & Core Elective II (DSE II) (4 Credits) (3-8 Hours/Week)			
<b>Total 25 Credits</b>				

Note: Th. = Theory; Pr. = Practical/lab.

The Practical and Project/Dissertation shall be evaluated by both the External and Internal Examiner in the respective University Department / Center / Affiliated College as per guidelines appended with this Direction.

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Appendix-5

Scheme of teaching and examination under semester pattern Choice Based Credit System (CBCS) for M.Sc. Program in Mathematics.

	Core Course	Ability Enhancement	Skill Based Course	Discipline Specific Elective
<b>SEM I</b>	Core 1 Th. (4 Credits)	Seminar I (1 Credit)		
	Core 2 Th. (4 Credits)	Seminar II (1 Credit)		
	Core 3 Th. (4 Credits)	Seminar III (1 Credit)		
	Core 4 Th. (4 Credits)	Seminar IV (1 Credit)		
	Core 5 Th. (4 Credits)	Seminar V (1 Credit)		
<b>Total 25 Credits</b>				

Appendix-6

	Core Subject	Ability Enhancement	Skill Based Course	Discipline Specific Elective
<b>SEM II</b>	Core 6 Th. (4 Credits)	Seminar VI (1 Credit)		
	Core 7 Th. (4 Credits)	Seminar VII (1 Credit)		
	Core 8 Th. (4 Credits)	Seminar VIII (1 Credit)		
	Core 9 Th. (4 Credits)	Seminar IX (1 Credit)		
	Core 10 Th. (4 Credits)	Seminar X (1 Credit)		
<b>Total 25 Credits</b>				

Appendix-7

	Core Subject	Ability Enhancement	Skill Enhancement Course	Discipline Specific Elective
<b>SEM III</b>	Core 11 Th. (4 Credits)	Seminar XI (1 Credit)	Foundation Course I (SEC I) Th. Paper 15 (4 Credits)	Core Elective I (DSE I) Th. Paper 14 (4 Credits)
	Core 12 Th. (4 Credits)	Seminar XII (1 Credit)	Seminar (SEC I) XV (1 Credit)	Seminar XIV (1 Credit)
	Core 13 Th. (4 Credits)	Seminar XIII (1 Credit)		
<b>Total 25 Credits</b>				

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## Appendix-8

Course	Core Subject	Ability Enhancement	Skill Based Course	Discipline Specific Elective
SEM IV	Core 14 Th. Paper 16 (4 Credits)	Project/Dsertation (5 Credits)	Foundation Course II (SEC II) Th. Paper 20 (4 Credits)	Core Elective II (DSE II) Th. Paper 19 (4 Credits)
	Core 15 Th. Paper 17 (4 Credits)			
	Core 16 Th. Paper 18 (4 Credits)			

Note: Th = Theory;

Project/Dissertation shall be evaluated by the Internal and External Examiner in the respective University Department / Center / Affiliated College.

## Appendix-9

Scheme of teaching and examination under semester pattern Choice Based Credit System (CBCS) for M.Sc. Program in all subjects except Mathematics.

## Semester I

Code	Theory / Practical	Teaching Scheme			Credit	Duration in hrs.	Examination Scheme				
		Hrs/ week					Max. Marks		Total	Minimum Marks	
		Theory	Practical	Total			External	Internal		Theory	Practical
Core 1	Paper 1	4	-	4	4	3	80	20	100	40	
Core 2	Paper 2	4	-	4	4	3	80	20	100	40	
Core 3	Paper 3	4	-	4	4	3	80	20	100	40	
Core 4	Paper 4	4	-	4	4	3	80	20	100	40	
Pract. Core 1 & 2	Practical 1	-	8	8	4	3-8*	80	20	100	40	40
Pract. Core 3 & 4	Practical 2	-	8	8	4	3-8*	80	20	100	40	40
Seminar 1	Seminar 1	2	-	2	1			25	25	10	
<b>TOTAL</b>		<b>18</b>	<b>16</b>	<b>34</b>	<b>25</b>		<b>480</b>	<b>145</b>	<b>625</b>	<b>170</b>	<b>80</b>

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**Bhadrawati, Dist-Chandrapur**

## Appendix-10

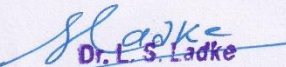
## Semester II

Code	Theory / Practical	Teaching Scheme			Credit	Examination Scheme					
		Hrs/ week				Duration in hrs.	Max. Marks		Total	Minimum Marks	
		Theory	Practical	Total			External	Internal		Theory	Practical
Core 5	Paper 5	4	-	4	4	3	80	20	100	40	
Core 6	Paper 6	4	-	4	4	3	80	20	100	40	
Core 7	Paper 7	4	-	4	4	3	80	20	100	40	
Core 8	Paper 8	4	-	4	4	3	80	20	100	40	
Pract. Core 5 & 6	Practical 3	-	8	8	4	3-8*	80	20	100	40	40
Pract. Core 7 & 8	Practical 4	-	8	8	4	3-8*	80	20	100	40	40
Seminar 2	Seminar 2	2	-	2	1			25	25	10	
<b>TOTAL</b>		<b>18</b>	<b>16</b>	<b>34</b>	<b>25</b>		<b>480</b>	<b>145</b>	<b>625</b>	<b>170</b>	<b>80</b>

## Appendix-11

## Semester III

Code	Theory / Practical	Teaching Scheme			Credit	Examination Scheme					
		Hrs/ week				Duration in hrs.	Max. Marks		Total	Minimum Marks	
		Theory	Practical	Total			External	Internal		Theory	Practical
Core 9	Paper 9	4	-	4	4	3	80	20	100	40	
Core 10	Paper 10	4	-	4	4	3	80	20	100	40	
Core Elective 1	Paper 11	4	-	4	4	3	80	20	100	40	
Foundation Course 1	Paper 12	4	-	4	4	3	80	20	100	40	
Pract. Core 9 & 10	Practical 5	-	8	8	4	3-8*	80	20	100	40	40
Pract. Core Elective 1	Practical 6	-	8	8	4	3-8*	80	20	100	40	40
Seminar 3	Seminar 3	2	-	2	1			25	25	10	
<b>TOTAL</b>		<b>18</b>	<b>16</b>	<b>34</b>	<b>25</b>		<b>480</b>	<b>145</b>	<b>625</b>	<b>170</b>	<b>80</b>

  
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Appendix-12

Semester IV

Code	Theory / Practical	Teaching Scheme			Credit	Duration in hrs.	Examination Scheme				
		Hrs/ week					Max. Marks	Total	Minimum Marks		
		Theory	Practical	Total					External	Internal	Theory
Core 11	Paper 13	4	-	4	4	3	80	20	100	40	
Core 12	Paper 14	4	-	4	4	3	80	20	100	40	
Core Elective 2	Paper 15	4	-	4	4	3	80	20	100	40	
Foundation Course 2	Paper 16	4	-	4	4	3	80	20	100	40	
Pract. Core 11, 12 & Elective 2	Practical 7	-	8	8	4	3-8*	80	20	100	40	40
Project	Project		8	8		-	80	20	100		40
Seminar 4	Seminar 4	2	-	2	1			10			
<b>TOTAL</b>		<b>18</b>	<b>16</b>	<b>34</b>	<b>25</b>		<b>480</b>	<b>145</b>	<b>625</b>	<b>170</b>	<b>80</b>

Appendix-13

Scheme of teaching and examination under semester patten Choice Based Credit System (CBCS) for M.Sc. Program in Mathematics.

Semester I for M.Sc. Program in Mathematics												
Code	Theory / Practical	Teaching scheme (Hours/Week)		Credits			Examination Scheme					
		Th	Total	Theory	Seminar	Total	Duration in hrs.	Max. Marks		Total Marks	Minimum Passing Marks	
								External Marks	Internal Ass.		Th. External	Internal Ass.
Core 1	Paper 1	5	5	4	1	5	3	100	25	125		50
Core 2	Paper 2	5	5	4	1	5	3	100	25	125		50
Core 3	Paper 3	5	5	4	1	5	3	100	25	125		50
Core 4	Paper 4	5	5	4	1	5	3	100	25	125		50
Core 5	Paper 5	5	5	4	1	5	3	100	25	125		50
	<b>TOTAL</b>	<b>25</b>	<b>25</b>	<b>20</b>	<b>5</b>	<b>25</b>		<b>500</b>	<b>125</b>	<b>625</b>		<b>250</b>

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## Appendix-14

Semester II for M.Sc. Program in Mathematics												
Code	Theory / Practical	Teaching scheme (Hours/Week)		Credits			Examination Scheme					
		Th	Total	Theory	Seminar	Total	Duration in hrs.	Max. Marks		Total Marks	Minimum Passing Marks	
								External Marks	Internal Asst.		Th. External	Internal Ass.
Core 6	Paper 6	5	5	4	1	5	3	100	25	125	50	
Core 7	Paper 7	5	5	4	1	5	3	100	25	125	50	
Core 8	Paper 8	5	5	4	1	5	3	100	25	125	50	
Core 9	Paper 9	5	5	4	1	5	3	100	25	125	50	
Core 10	Paper 10	5	5	4	1	5	3	100	25	125	50	
	<b>TOTAL</b>	25	25	20	5	25		500	125	625	250	

## Appendix-15

Semester III for M.Sc. Program in Mathematics												
Code	Theory / Practical	Teaching scheme (Hours/Week)		Credits			Examination Scheme					
		Th	Total	Theory	Seminar	Total	Duration in hrs.	Max. Marks		Total Marks	Minimum Passing Marks	
								External Marks	Internal Asst.		Th. External	Internal Ass.
Core 11	Paper 11	5	5	4	1	5	3	100	25	125	50	
Core 12	Paper 12	5	5	4	1	5	3	100	25	125	50	
Core 13	Paper 13	5	5	4	1	5	3	100	25	125	50	
Discipline Specific Elective I	Paper 14	5	5	4	1	5	3	100	25	125	50	
Skill Enhancement	Paper 15	5	5	4	1	5	3	100	25	125	50	
	<b>TOTAL</b>	25	25	20	5	25		500	125	625	250	

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**Illustration for SGPA**

Code	Theory/Practical	Credits	Marks Obtained	Out of	Grade Point	Grade Letter	Credit Points (Credit x Grade Points)
Core 1	Paper 1	4	91	100	9	O	4x9=36
Core 2	Paper 2	4	89	100	8	A+	4x8=32
Core 3	Paper 3	4	50	100	4	C	4x4=16
Core 4	Paper 4	4	78	100	7	A	4x7=28
Practical	Practical Core 1 & 2	4	89	100	8	A+	4x8=32
Practical	Practical Core 3 & 4	4	85	100	8	A+	4x8=32
Seminar I	Seminar 1	1	46	50	9	O	1x9=9
<b>Total</b>		<b>25</b>					<b>185</b>

Thus,  $SGPA = 185/25 = 7.4$

The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a program, i.e.

$$CGPA = \frac{\sum (C_i \times S_i)}{\sum C_i}$$

where  $S_i$  is the SGPA of the  $i^{th}$  semester and  $C_i$  is the total number of credits in that semester.

**Illustration for CGPA**

Semester 1	Semester 2	Semester 3	Semester 4
Credit : 25	Credit : 25	Credit : 25	Credit : 25
SGPA: 8.46	SGPA: 7.83	SGPA: 5.69	SGPA: 6.31
Thus, $CGPA = \frac{25 \times 8.46 + 25 \times 7.83 + 25 \times 5.69 + 25 \times 6.31}{100} = \frac{211.5 + 195.15 + 142.25 + 157.75}{100}$			
$= \frac{706.65}{100} = 7.0665$			
<b>i.e. CGPA = 7.06</b>			

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts. For example  $7.0765 = 7.08$  or  $6.5168 = 6.52$  etc.

Transcript (Format): Based on the above recommendations on Letter grades, grade points and SGPA and CCPA, the HEIs may issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.


**The course code may be given as follows for different courses**

		P-Postgraduate; S-Science
PSFC01	-	Foundation Course
PSCHT01	-	Chemistry theory
PSCHP01	-	Chemistry Practical
PSPHT01	-	Physics theory
PSPHT01	-	Physics Practical
PSBOT01	-	Botany Theory
PSBOP01	-	Botany Practical

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**N.S. Science & Arts College**  
**Bhadrawati, Dist-Chandrapur**

# Eligibility Criteria by Affiliating University for Award of Ph. D.

*Eligibility Criteria For award of Ph. D. (Session 2019-20)*

 **GONDWANA UNIVERSITY, GADCHIROLI**  
**DIRECTION NO. 17 OF 2019**

**“ELIGIBILITY CRITERIA AND PROCEDURE FOR REGISTRATION OF CANDIDATES, ALLOTMENT OF SUPERVISORS/GUIDES AND RESEARCH TOPICS, SUBMISSION OF THESIS AND ITS EVALUATION FOR THE AWARD OF DEGREE OF DOCTOR OF PHILOSOPHY, 2016 (AMMENDMENT) Direction 2019”**

(Issued under Section 12(8) of the Maharashtra Public Universities Act, 2016.)

Whereas, the Maharashtra Public Universities Act 2016 has come into force with effect from 1<sup>st</sup> March 2017 (herein after referred to as the Act);

AND

Whereas, the above said Act is applicable to the Gondwana University, Gadchiroli;

AND

Whereas, it is the duty of Board of Deans as provided under section 37 (2) (b) (IV) to undertake the task in Research matters;


AND

Whereas, the University Grants Commission, in suppression of the UGC (Minimum Standards & Procedures for Awards of Ph.D. Degrees of the universities) Regulation, 2009, has issued University Grants Commission (Minimum Standards & Procedures for awards of M.Phil./Ph.D. Degree) Regulations, 2016 vide its Notification dated 5<sup>th</sup> May 2016 published in the Gazette of India No.278, Part III - Section 4, dated 5<sup>th</sup> July 2016, necessitating issuance of new Direction regarding Minimum Standards & Procedures for award of the Ph.D. Degree;

AND

Whereas, a three member committee was constituted vide item no. 32 in the meeting of Academic Council on dated 2<sup>nd</sup> November 2018 to suggest

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the effective measures for conducting PET examination, procedure for Ph. D. admission and allocation of supervisor and recognition of Ph. D. supervisor;

AND

Whereas, the recommendation of the above said committee were accepted vide item No. 8(2) in the meeting of Academic Council on dated 25<sup>th</sup> February 2019;

AND

Whereas, the matter is required to be executed with immediate effect.

Now, therefore, I, Dr. N. V. Kalyankar, Vice-Chancellor, Gondwana University, Gadchiroli, in exercise of the powers vested in me under the provision of Section 12(8) of the Maharashtra Public Universities Act, 2016, do hereby issue the following Directions:-

1. This Direction shall be called **"ELIGIBILITY CRITERIA AND PROCEDURE FOR REGISTRATION OF CANDIDATES, ALLOTMENT OF SUPERVISORS/ GUIDES AND RESEARCH TOPICS, SUBMISSION OF THESIS AND ITS EVALUATION FOR THE AWARD OF DEGREE OF DOCTOR OF PHILOSOPHY, 2016 (AMMENDMENT) DIRECTION 2019"** (Hereinafter referred to as "the Direction").

2. This Direction shall come into force with effect from the date of its issuance.

3. Scope:-

a) This Direction shall govern the process of Enrolment, PET examination and award of Ph.D. degree in all the faculties in the University;

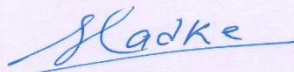
b) This Direction shall apply to the university / (institutions/conducted colleges/constituent colleges), every affiliated college of the university and an institution recognized by the university for the purposes of research.

4. Definitions:-

In this Direction, unless the context requires otherwise:-

a) "Act" means the Maharashtra Public Universities Act, 2016.

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- b) "Board of Studies" means a Board for a particular subject or a group of subjects constituted as per provisions of the related Section:
- c) "College" means a college as defined under the related Section of the Act,
- d) "Faculty" means a faculty constituted as per the provisions of the related Section of the Act,
- e) "Head, Place of Research" means the Head of the Department of the University/Principal of the College/ Director of the Institute;
- f) "Place of Research" means all the post-graduate teaching departments of the University and includes any other place which is duly recognized as the place of research by the University;
- g) "Ph.D. Entrance Test (PET)" means the entrance test conducted by the Gondwana University, Gadchiroli in accordance with the (applicable) rules framed by the University in this regard;
- h) "Post Graduate Department" means a department in a college or institution of higher learning, research, or specialized studies, recognized to be so by the university and imparting post-graduate instruction or guidance for research and includes the post-graduate teaching department of the University;
- i) "Supervisor" means a Ph.D. supervisor who is recognised as Ph.D. supervisor and "External Supervisor" means a Ph.D. supervisor who is recognised as a Ph.D. supervisor in the university but is not a full time regular teacher of the University/Institution/College, and
- j) "University" means the Gondwana University, Gadchiroli.

**5. Eligibility Criteria for admission to Ph.D. Programme:**

Subject to the compliance with the requirements of this Direction, an applicant, fulfilling the eligibility criteria as recommended by the sub-committee for the purpose and approved by the Academic Council which is appended with this Direction as Appendix-I, shall be eligible to Enrol for PET examination.

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**Bhadrawati, Dist-Chandrapur**

**6. Procedure for Ph. D. admission and allocation of supervisor:**

Subject to the compliance with the requirements of this Direction, an applicant after qualifying PET examination shall have to follow procedure as recommended by the sub-committee for the purpose and approved by the Academic Council which is appended with this Direction as Appendix-I, shall be eligible to be admitted for Ph. D.

**7. Recognition of Ph. D. supervisor:**

Subject to the compliance with the requirements of this Direction, an applicant desirous of supervising research study/studies, shall fulfil the eligibility criteria as recommended by the sub-committee for the purpose and approved by the Academic Council is appended with this Direction as Appendix-I, shall be eligible to Enrol for PET examination.


8. The relevant provisions as specified in Ordinance No 55 of 2017, 87 of 2017 and 105 of 2017 stands repealed due to issuance of this Direction. However for rest of the matters pertaining to Ph.D. registration and award, various other provisions as applicable and specified in Ordinance No 55 of 2017, 87 of 2017 and 105 of 2017 shall remain in force.

9. For any other matter pertaining to Ph.D. registration and award which is beyond the purview of this Direction and Ordinance Nos. 55 of 2017, 87 of 2017 and 105 of 2017, shall be referred to the Vice-chancellor and that the decision in the regard by the Vice-chancellor shall be final and binding to all the concerned.

Place: Gadchiroli  
Date: 3/08/2019

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(Dr. N. V. Kalyankar)  
Vice-Chancellor

  
**Dr. L.S. Ladke**  
PRINCIPAL  
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## APPENDIX-I



### GONDWANA UNIVERSITY, GADCHIROLI

(Established by Government of Maharashtra Notification No.MISC-2007/(322/07) UNI-4 Dated 27<sup>th</sup> Sept. 2011 & Presently a State University governed by Maharashtra Public Universities Act, 2016 (Maharashtra Act. No. VI of 2017)

#### Rules for conducting Online Ph.D. Entrance Test (PET) for Registration of the Degree of Doctor of Philosophy (Ph. D.)

- University will conduct Online Ph.D. Entrance Test (PET) for registration of Degree of Doctor of Philosophy
- To be conducted centrally by the Gondwana University, Gadchiroli
- To be conducted Once in a year
- Applications should be invited online
- External Agency should be appointed by the University which will generate Roll Numbers and Admission Cards and will conduct the PET exam online on behalf of the Gondwana University, Gadchiroli
- Admission Cards shall be provided Online to the candidates.

#### PET Syllabus

- PET will have one paper with two sections – Section A & Section B
- Section A – 50 Questions - 100 Marks
- Section B, – 50 Questions - 100 Marks

#### Section A- General Aptitude

Note: common to all candidates and medium will be in English / Marathi.

##### Paper Course Structure:

- |  |          |
|--|----------|
| • Logical Reasoning                            | 10 Marks |
| • Numerical Ability                            | 10 Marks |
| • Analytical Reasoning                         | 20 Marks |
| • Language                                     | 10 Marks |
| • Aptitude Test                                | 10 Marks |
| • General information Awareness of Environment | 10 Marks |
| • Awareness of Computer                        | 10 Marks |
| • Research Methodology                         | 20 marks |

#### Section B- Subject Specific

Based on specific subject in the relevant faculty.

##### Paper Course-

The Paper Course for Section B shall be as per the prescribed for the respective P.G. course of the Gondwana University. The syllabi will be displayed on the University Website.

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### General Instructions

-Duration of Examination - 2 Hours (One hour for each section)

-Mandatory to score minimum 50% marks in aggregate for passing the PET exam.  
However for the reserved category student S.C. /S.T./ D.T. /N.T. / S.B. C. / O.B.C. (Non Creamy Layer) / SEBC etc., minimum passing will be of 45%.

-Question Bank Committee will be formed by the University & will carry out the work of preparation of Question papers for the Section A & Section B.

-Total Questions in the bank will be minimum 10 times of the total number of questions in a paper in a particular section.

-The appointed External Agency will make the questions available Online at randomly from the Question Bank.

- PET will be conducted online at the specified examination centres
- The validity of PET will be of 3 years.

Fees for PET Examination- Rs. 1000/- for Open Category students and  
Rs. 650/- for Reserved Category students

### Exemption / Relaxation from the PET

- The candidate who have passed UGC- NET (including GRF)/ UGC-CSIR (including GRF)/SLET/GATE/Teacher fellowship holder will be exempted from PET.
- The Candidates who have passed M.Phil. Exam. (Regular mode- admission to M.Phil. programme through entrance examination) shall be exempted from PET.

### Eligibility criteria for PET Exam

The candidate should have passed a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a 7-point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.

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**Bhadrawati, Dist-Chandrapur**

A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/VJNT/SBC/OBC (non-creamy layer) / Differently-Abled and other categories of candidates as per the decision of the Commission from time to time or for those who had obtained their Master's degree prior to 19<sup>th</sup> September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.

Candidates who have cleared the M.Phil. course with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) and successfully completed the M.Phil. Degree shall be eligible to proceed to do research work leading to the Ph. D. Degree in the **same Institution in an integrated programme**. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC(non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time.

Procedure for Ph. D. admission and allocation of supervisor:

There shall be a Research Advisory Committee (RAC) for every subject. The constitution of the committee shall be as under:

a) For University Departments/Centers:

- i) Head of the concerned Department / Center - Chairperson
- ii) One subject expert (must be recognized supervisor)  
Nominated by the Head of the Department / Center - Member
- iii) Research Supervisor of the concerned subject - Member Secretary

b) For Affiliated/Autonomous Colleges:

- i) Principal - Chairperson
- ii) HoD of the concerned subject - Member
- iii) One subject expert (must be recognized supervisor)- Member  
(to be nominated by the Principal)
- iv) Research Supervisor of the concerned subject - Member Secretary

The eligible candidate shall apply to the Research Center (RC) for admission to the Ph.D. programme in the prescribed format on or before 1st December every year. The RC shall prepare and display the list of eligible candidates along with the schedule of the interview. The schedule of the interview shall be notified 15 days in advance.

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The Candidate shall have to appear for interview before the Research Advisory Committee (RAC) for discussing proposed research interest / area of doctoral degree. The allocation of research supervisor for a selected research scholar shall be decided by the concerned RAC depending on the number of scholars per research supervisor, the available specialization among the supervisors and research interests of the scholars as indicated by them at the time of interview.

In case if RAC feels that topic selected by the candidate is interdisciplinary then a co-supervisor may be allowed who must be the recognized supervisor of the University. The Research Advisory Committee shall take care of reservation policy of the State while allocating the supervisor/s.

The Research Center (RC) shall display the list of selected candidates along with the allocated supervisors who shall be acting as internal evaluators for the Ph.D. thesis. After the interview process, the selected candidate shall confirm the admission by paying the prescribed fees and depositing essential original documents, on or before 31st December of the year.

#### Recognition for Ph.D. Supervisor:

- Must possess Master's Degree in the relevant subject.
- Must have Ph.D. in the relevant subject/area in which recognition is to be sought.
- Regular Professor of the University/College having at least five research publications in the referred journals
- Regular Associate Professor of the University/College with a Ph.D. degree and at least two research publications in the referred journals
- Assistant Professor at PG level in the University having teaching experience of two years and two research papers in the referred journals
- Assistant Professor at UG level in colleges with Ph.D. and should have teaching experience of five years and two research papers in the referred journals
- Five years of working experience as a Librarian / Director of Physical Education with at least two research publications in the concerned subject in the referred journals
- A person working in institute/organization, in the private or public sector, with not less than ten years of experience as a scientist with Ph.D. Degree and having published at least five research papers in the referred journals.

#### Students Count -

Professor:	will have the registration of Maximum 8 students	✓
Associate Professor:	will have the registration of Maximum 6 students	✓
Assistant Professor:	will have the registration of Maximum 4 students	✓

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Bhadrawati, Dist-Chandrapur

# 1.2.1 Minutes of Board of Studies (BOS)



## गोंडवाना विद्यापीठ, गडचिरोली

विज्ञान व तंत्रज्ञान विद्याशाखे अंतर्गत गणित (Mathematics) अभ्यासमंडळाची वार्षिक सभा दि. 28/04/2022 रोजी सकाळी ११.३० ते ५.०० वाजता गोंडवाना विद्यापीठ, गडचिरोली येथे सभा संपन्न झाल्याचे इतिवृत्त.

प्रती,

नाव	स्वाक्षरी	नाव	स्वाक्षरी
① Dr. L. S. Ladke (Chairman)			
② Dr. C. M. Bhongade			
③ Dr. D. N. Kharhade			
④ Dr. S. D. Leo			
⑤ Dr. W. K. Dange			
⑥ Dr. L. S. Khalea			

बाब क्रमांक १ :- अभ्यासमंडळाच्या मागील सभेच्या कार्यवृत्तास मंजुरी देवून कायम करणे.  
(कार्यवृत्ताची प्रत पटलावर ठेवण्यात येईल.)

The minutes of the last meeting dated 29.07.2022 approved & established unanimously.

बाब क्रमांक २ :- पदवी व पदव्युत्तर अभ्यासक्रमाचा आढावा, सुधारणा व नविन अभ्यासक्रम सुचविण्याबाबत तसेच Direction चे प्रारूप Eligibility, Work load यावर सुची तयार करणे.

No need to change & no need to modify the syllabus.

बाब क्रमांक ३ :- आपल्या अभ्यासमंडळांतर्गत येणाऱ्या अभ्यासक्रमाचा कार्यभार (Work load) सत्र पध्दतीनुसार निर्धारित करणे.

The work load in our syllabus already in the existence.

Dr. L. S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Shaktiwar, Dist-Chandrapur

बाब क्रमांक ४ :- सध्या अस्तित्वात असलेल्या व कालबाहय झालेल्या निरनिराळ्या परिक्षांच्या अभ्यासक्रमात आवश्यक वाटल्यास बदल सुचविणे व आवश्यकतेनुसार नविन अभ्यासक्रम तयार करणे.

बाब क्रमांक ५ :- महाराष्ट्र सार्वजनिक विद्यापीठे अधिनियम, २०१६ च्या कलम ४१(घ) नुसार सन २२-२३ करीता होणाऱ्या सत्राकरिता विविध परिक्षांकरिता प्रश्नपत्रिका आरेखक (Paper Setters) परिक्षक (Examiners) आणि उत्तरपत्रिका नियामक (Moderators) नियुक्ती करण्याकरिता पात्रता धारक व्यक्तींची सुची तयार करणे.

*In the meeting it is decided unanimously that the syllabus of all examinations is up to date & no need to change or modify.*

बाब क्रमांक ६ :- महाराष्ट्र सार्वजनिक विद्यापीठे अधिनियम, २०१६ च्या कलम ४१(घ) अंतर्गत निरनिराळ्या पुस्तकांचे संपादक, प्रकाशक तसेच महाराष्ट्र ग्रंथ निमिती मंडळ यांच्याकडून आलेल्या पुस्तकांचा अभ्यासक्रमात पाठ्यपुस्तक किंवा संदर्भग्रंथ म्हणून समावेश करण्याच्या दृष्टीने विचार करणे. (अभ्यासमंडळाच्या सभासदांना आपले पुस्तक अभ्यासक्रमात लावायचे असल्यास त्या संबंधीची कार्यवाही विद्यापीठ नियमाप्रमाणे करावी.)

*No matter about the above subject.*

बाब क्रमांक ७ :- अभ्यासमंडळानी गठीत केलेल्या उपसमितीने सादर केलेल्या अहवालावर विचार करणे व मान्यते उपरांत विद्याशाखेकडे शिफारस करणे.

*No subcommittee of the subject.*

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**Dr. E.S. Ladke**  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

बाब क्रमांक ८ :- राष्ट्रीय शिक्षा निती-२०२० च्या अनुषंगाने अभ्यासक्रमातील अपेक्षित बदल व विद्यापीठ अनुदान आयोग, यांचेद्वारे (Learning Outcomes based Curriculum Framework (LOCF) या संदर्भात विचार विनियमन करून अभ्यासक्रम तयार करणे.

It is principally accepted to change the B.Sc. syllabus as per UAC direction regarding LOCF. For framing the syllabus much more time require & it is not possible in short period to prepare the syllabus. BOS decided to form a subcommittee & this committee will submit the syllabus of B.Sc. sem (I) & (II) within 1 month. The committee is as under:

- 1) Dr. L.S. Ladke (Chairman)
- 2) Dr. C.M. Bhongade
- 3) Dr. L.S. Khalea
- 4) Dr. M.S. Wasbhe
- 5) Dr. T.S. More
- 6) Dr. S.D. Tade
- 7) Dr. J.M. Karade
- 8) Dr. S.D. Katore
- 9) Dr. M.S. Rajput
- 10) Dr. D.N. Warade

बाब क्रमांक ९ :- अभ्यासमंडळाने आपल्या विषयाचे कोर्स कोड (Course Code) तयार करणे.

After the preparation of syllabus the course code will be prepared.

बाब क्रमांक १० :- अध्यक्षांच्या संमतीने अन्य विषयावर विचार करणे.

No other matter is discussed by the permission of the chair.

Ladke  
Dr. L.S. Ladke  
PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

Ladke  
अध्यक्ष 28/4/22  
Dr. L.S. Ladke,  
Chairman, BOS in Mathematics



## गोंडवाना विद्यापीठ, गडचिरोली

विज्ञान व तंत्रज्ञान विद्याशाखे अंतर्गत **Zoology** अभ्यासमंडळाची वार्षिक सभा दि. 27/4/2022  
रोजी सकाळी ११.३० ते ५.०० वाजता गोंडवाना विद्यापीठ, गडचिरोली येथे सभा संपन्न झाल्याचे इतिवृत्त.

प्रती,

नाव	स्वाक्षरी	नाव	स्वाक्षरी
1) Dr. N. V. Herney			
2) Dr. A. M. Chitke			
3) Dr. L. H. Rohanka			
4) Dr. G. D. Deshmukh			
5) Prof. A. P. Sawane			
6) Prof. D. M. Gaichane			
Dr. R. B. Dahase			

बाब क्रमांक १ :- अभ्यासमंडळाच्या मागील सभेच्या कार्यवृत्तास मंजुरी देवून कायम करणे.

(कार्यवृत्ताची प्रत पटलावर ठेवण्यात येईल.)

अभ्यासमंडळाच्या मागील सभेच्या कार्यवृत्तास सर्व सन्मानित सदस्यांनी सर्वोत्तम मंजुरी दिली व कायम केले.

बाब क्रमांक २ :- पदवी व पदव्युत्तर अभ्यासक्रमाचा आढावा, सुधारणा व नविन अभ्यासक्रम

सुचविण्याबाबत तसेच Direction चे प्रारूप Eligibility, Work load यावर सुची

तयार करणे.

पदवी अभ्यासक्रमाचा व पदव्युत्तर अभ्यासक्रमाचा आढावा घेतला व नविन अभ्यासक्रम सुचविण्याबाबत विचार करण्यात आला. त्याचप्रमाणे Direction चे प्रारूपानुसार Eligibility, Work load यावर सुची तयार करून यापूर्वीच देण्यात आलेली आहे. चर्चेअंती सन्मानित सदस्यांनी पदवी व पदव्युत्तर अभ्यासक्रम जैसे थे ठेवण्याबाबत सर्वसहमती दर्शविली.

बाब क्रमांक ३ :- आपल्या अभ्यासमंडळांतर्गत येणाऱ्या अभ्यासक्रमाचा कार्यभार (Work load) सत्र

पध्दतीनुसार निर्धारित करणे.

प्राणिशास्त्र अभ्यासमंडळांतर्गत येणाऱ्या अभ्यासक्रमाचा कार्यभार (Work load) उपलब्ध सत्र पध्दतीनुसार सर्व सदस्यांकडून सर्वोत्तम कायम करण्यात येत आहे.

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बाब क्रमांक ४ :- सध्या अस्तित्वात असलेल्या व कालबाहय झालेल्या निरनिराळ्या परिक्षांच्या अभ्यासक्रमात

आवश्यक वाटल्यास बदल सुचविणे व आवश्यकतेनुसार नविन अभ्यासक्रम तयार करणे.

- सर्व प्रास्तित्वात असलेल्या प्राणीशास्त्र विभागातील निरनिराळ्या परिक्षांच्या अभ्यासक्रमात कुठलाही बदल सुचविण्यात आलेच नाही तरी सर्वानुमते सर्व बदल्यांकडून कायम करण्यात येत आहे.

बाब क्रमांक ५ :- महाराष्ट्र सार्वजनिक विद्यापीठे अधिनियम, २०१६ च्या कलम ४१(च) नुसार सन २२-२३ करिता होणाऱ्या सत्राकरिता विविध परिक्षांकरिता प्रश्नपत्रिका आरेखक (Paper Setters) परिक्षक (Examiners) आणि उत्तरपत्रिका नियामक (Moderators) नियुक्ती करण्याकरिता पात्रता धारक व्यक्तींची सूची तयार करणे.


- महाराष्ट्र सार्वजनिक विद्यापीठे अधिनियम, २०१६ च्या कलम ४१(च) क्लॉस सन २२-२३ करिता होणाऱ्या सत्राकरिता विविध परिक्षांकरिता प्रश्नपत्रिका आरेखक (Paper Setters) परिक्षक (Examiners) आणि उत्तरपत्रिका नियामक (Moderators) नियुक्ती करण्याकरिता पात्रता धारक व्यक्तींची सूची तयार करून विद्यापीठात सादर केलेली आहे.

बाब क्रमांक ६ :- महाराष्ट्र सार्वजनिक विद्यापीठे अधिनियम, २०१६ च्या कलम ४१(घ) अंतर्गत निरनिराळ्या पुस्तकांचे संपादक, प्रकाशक तसेच महाराष्ट्र ग्रंथ निमिती मंडळ यांच्याकडून आलेल्या पुस्तकांचा अभ्यासक्रमात पाठ्यपुस्तक किंवा संदर्भग्रंथ म्हणून समावेश करण्याच्या दृष्टीने विचार करणे. (अभ्यासमंडळाच्या सभासदांना आपले पुस्तक अभ्यासक्रमात लावायचे असल्यास त्या संबंधीची कार्यवाही विद्यापीठ नियमाप्रमाणे करावी.)

प्राणीशास्त्र अभ्यासमंडळ अंतर्गत येणाऱ्या विविध अभ्यासक्रमांकरिता कोणत्याही संपादक, प्रकाशक तसेच महाराष्ट्र ग्रंथ निमिती मंडळ यांच्याकडून पाठ्यपुस्तक किंवा संदर्भग्रंथ अभ्यास मंडळात समावेश करण्याकरिता निमिती आलेली नाही करिता सर्वानुमते मंजुरी दिली.

बाब क्रमांक ७ :- अभ्यासमंडळानी गठीत केलेल्या उपसमितीने सादर केलेल्या अहवालावर विचार करणे व मान्यते उपरांत विद्याशाखेकडे शिफारस करणे.

प्राणीशास्त्र अभ्यासमंडळाने तयार केलेल्या उपसमितीने सादर केलेल्या अहवाल विद्याशाखेकडे शिफारस करण्याकरिता सर्वानुमते मंजुरी दिली.

  
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बाब क्रमांक ८ :- राष्ट्रीय शिक्षा निती-२०२० च्या अनुषंगाने अभ्यासक्रमातील अपेक्षित बदल व विद्यापीठ अनुदान आयोग, यांचेद्वारे (Learning Outcomes based Curriculum Framework (LOCF) या संदर्भात विचार विनियमन करून अभ्यासक्रम तयार करणे.

LOCF च्या संदर्भात सविस्तर चर्चा करून उपसमिती तयार करण्यात आली. पुढील समितीच्या अहवालावर चर्चा करून कायम करण्यात येईल.  
UG उपसमिती - डॉ. हरणे, डॉ. देशमुख, डॉ. धमानी  
PG उपसमिती - डॉ. हरणे, डॉ. श्रवणे, डॉ. चिळके


बाब क्रमांक ९ :- अभ्यासमंडळाने आपल्या विषयाचे कोर्स कोड (Course Code) तयार करणे.


प्राणीशास्त्र अभ्यासमंडळाने आपल्या विषयाचे कोर्स कोड (Courses) तयार करण्याकरिता खालील उपसमिती तयार करण्यात आली व ती समिती आपला अहवाल सादर करील असे सर्वोत्तमते इ.

UG उपसमिती - डॉ. हरणे, डॉ. उहारे  
PG उपसमिती - डॉ. हरणे, डॉ. जायधने

बाब क्रमांक १० :- अध्यक्षांच्या संमतीने अन्य विषयावर विचार करणे.

सदर सभेमध्ये वेळेवर कोणताही विषय किंवा सूचना सभावा सदस्यांकडून आल्या नसल्यामुळे सदर सभे सर्व सदस्यांच्या आ व्यक्त करित पाट पडली.

  
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अध्यक्ष  
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Dr. N.V. Karnay  
Chairman - BOS in 2001

