



SATPUDA EDUCATION SOCIETY, JALGAON JAMOD'S

# Arts & Commerce College

Warvat Bakal Tq. Sangrampur Dist - Buldhana (M.S.)

NAAC Reaccredited with 'B' Grade

- Principal -

**Dr. Shiram Yerankar**

M.A., M.Phil, Ph.D.  
9423722316

College Code : 327

- President -

**Shri. Krushnarao Ingle**

(Ex. M.L.A.)  
07266-221449

Website : [www.acscwb.co.in](http://www.acscwb.co.in)

E-mail : [327accwb@gmail.com](mailto:327accwb@gmail.com)

## Criterion VI- Governance, Leadership and Management

### 6.5 Internal Quality Assurance System

**6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities**

Metric No.	Sr. No.	Content / File Description
<b>6.5.2</b>	<b>A</b>	<b>Academic Calendar</b>
	<b>B</b>	<b>Activities Calendar</b>
	<b>C</b>	<b>Departmental Perspective Plan</b>
	<b>D</b>	<b>Slow &amp; Advanced Learners</b>

**IQAC Co-ordinator**  
**Arts and Commerce College,**  
**Warvat Bakal**



**Principal**  
**Arts & Commerce College,**  
**Warvat Bakal Dist. Buldana**



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## CERTIFICATE

This is to certify that the documents attached as supporting documents for Criterion VI- Governance, Leadership and Management are verified from the college record and found to be correct to the best of my knowledge.

**IQAC Co-ordinator**  
**Arts and Commerce College,**  
**Warwat Bakal**



**Principal**  
**Arts & Commerce College,**  
**Warwat Bakal Dist. Buldhana**



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Academic calendar is prepared at the beginning of every academic year. The departments prepare their departmental academic calendars. The head conducts a departmental meeting at the beginning of academic sessions to distribute the syllabus according to the choices and expertise of the teachers. The teachers prepare their teaching plans and maintain academic diaries. The teaching plans and COs. POs are communicated with students. The students' performances are assessed through continuous internal evaluation (CIE). based on the CIE, the students are counseled by concerned teachers. The exam results are displayed on the notice board. The students can register their exam related grievances with the internal grievance committee. Along with the regular feedback the head of department collects oral feedback from students. The records of the activities are maintained by the IQAC. The results of university exams are analyzed and the outcomes are discussed in the annual CDC meeting.

**IQAC Co-ordinator**  
**Arts and Commerce College,**  
**Warvat Bakal**



**Principal**  
**Arts & Commerce College,**  
**Warvat Bakal Dist. Buldhana**

## Supporting Documents

### A. Academic Calendar

#### ACADEMIC CALENDER 2022 – 2023

(Vide the direction number 74/2022 dated 27<sup>th</sup> June, 2022)

(Academic Calendar for the Academic Session 2022-2023 was published by university vide Notification No. 74/2022.

Sr. No.	Particular	From	To
1.	First Session	1 <sup>st</sup> July, 2022	30 <sup>th</sup> November, 2022
2.	Diwali Vacation	21 <sup>th</sup> October, 2022	8 <sup>th</sup> November, 2022
3.	Second Session	23 <sup>rd</sup> January 2023	27 <sup>th</sup> May, 2023
4.	Summer Vacation	29 <sup>th</sup> May, 2023	3 <sup>rd</sup> July, 2023

#### Days available during Academic Year 2022 - 2023

Sr. No.	Activity	Commencement	Cessation	Total Days
01	First Session	01/07/2022	30/11/2022	115
02	Admission Process	01/07/2022	16/07/2022	14
03	Teaching Days (Odd Semesters Excluding Diwali Vacation)	25/07/2022	30/11/2022	90
04	Induction Program for First Year Students	18/07/2022	23/07/2022	06
05	First Term Vacation	24/10/2022	08/11/2022	16
06	Odd Semesters University Exam	01/12/2022	21/01/2023	45
07	Second Session	23/01/2023	27/05/2022	98
08	Non-instructional days (For N.S.S., Gathering etc.)	23/01/2023	31/01/2023	07
09	Teaching Days (Even Semesters)	01/02/2023	27/05/2023	91
10	Second Term Vacation	29/05/2023	01/07/2023	34
11	Even Semesters University Exam	29/05/2023	01/07/2023	34
12	Commencement of next Academic session 2023-24	03/07/2022		

## ARTS & COMMERCE COLLEGE, WARVAT BAKAL

Vide the SGB Amravati University Gazette, following Public Holidays are declared for  
2022 – 2023

तक्ता -२

**(Table – 2)**

अ. क्र. (Sr.No.)	सण/सुट्या (Festivals/Holidays)	दिवस व दिनांक (Day & Date)
१.	मोहरम Moharum	मंगळवार, दि. ९ ऑगस्ट, २०२२ Tuesday, 9 <sup>th</sup> August, 2022
२.	रक्षाबंधन Rakshabandhan	गुरुवार, दि. ११ ऑगस्ट, २०२२ Thursday, 11 <sup>th</sup> August, 2022
३.	स्वातंत्र्य दिन Independence Day	सोमवार, दि. १५ ऑगस्ट, २०२२ Monday, 15 <sup>th</sup> August, 2022
४.	पारशी नूतनवर्ष (शहेनशाही) Parsi New Year (Shahenshahi)	मंगळवार, दि. १६ ऑगस्ट, २०२२ Tuesday, 16 <sup>th</sup> August, 2022
५.	श्रीगणेश चतुर्थी ShriGanesh Chaturthi	बुधवार, दि. ३१ ऑगस्ट, २०२२ Wednesday, 31 <sup>st</sup> August, 2022
६.	अनंत चतुर्दशी Anant Chaturdashi	शुक्रवार, दि. ९ सप्टेंबर, २०२२ Friday, 9 <sup>th</sup> September, 2022
७.	दसरा Dasara	बुधवार, दि. ५ ऑक्टोबर, २०२२ Wednesday, 5 <sup>th</sup> October, 2022

८.	प्रजासत्ताक दिन Republic Day	गुरुवार, दि. २६ जानेवारी, २०२३ Thursday, 26 <sup>th</sup> January, 2023
९.	महाशिवरात्री Mahashivratri	शनिवार, दि. १८ फेब्रुवारी, २०२३ Saturday, 18 <sup>th</sup> February, 2023
१०.	होळी (दुसरा दिवस) Holi (Second Day)	मंगळवार, दि. ७ मार्च, २०२३ Tuesday, 7 <sup>th</sup> March, 2023
११.	गुढीपाडवा Gudhi Padwa	बुधवार, दि. २२ मार्च, २०२३ Wednesday, 22 <sup>nd</sup> March, 2023
१२.	श्रीराम नवमी Shriram Navmi	गुरुवार, दि. ३० मार्च, २०२३ Thursday, 30 <sup>th</sup> March, 2023
१३.	महावीर जयंती Mahavir Jayanti	मंगळवार, दि. ४ एप्रिल, २०२३ Tuesday, 4 <sup>th</sup> April, 2023
१४.	गुड फ्रायडे Good Friday	शुक्रवार, दि. ७ एप्रिल, २०२३ Friday, 7 <sup>th</sup> April, 2023
१५.	डॉ.बाबासाहेब आंबेडकर जयंती Dr.Babasaheb Ambedkar Jayanti	शुक्रवार, दि. १४ एप्रिल, २०२३ Friday, 14 <sup>th</sup> April, 2023
१६.	रमझान ईद (ईद-उल-फितर) Ramzan Id (Id-Ul-Fitar)	शनिवार, दि. २२ एप्रिल, २०२३ Saturday, 22 <sup>nd</sup> April, 2023
१७.	महाराष्ट्र दिन Maharashtra Day	सोमवार, दि. १ मे, २०२३ Monday, 1 <sup>st</sup> May, 2023
१८.	बुध्द पौर्णिमा Buddha Pournima	शुक्रवार, दि. ५ मे, २०२३ Friday, 5 <sup>th</sup> May, 2023

स्था/-  
(डॉ.टी.आर.देशमुख)  
कुलसचिव,  
संत गाडगे बाबा अमरावती विद्यापीठ

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# ARTS & COMMERCE COLLEGE, WARVAT BAKAL

## ACADEMIC ACTIVITIES CALENDER 2022 – 2023

Month	Event	Organizing Department
<b>August 2022</b>	N.S.S. Enrolment	NSS
	NCC Enrolment	NCC
	Independence Day	Dept. of Physical Education & NCC
	Dr. S.R. Ranganathan Jayanti	Library
	Induction Program for First year Students	All departments
	Classification of enrolled students for remedial classes	All Departments
	Identification of sport skills among the enrolled students	Dept. of Sports
	Planning for distribution of books for Slow and Advanced learners	Library
<b>September 2022</b>	Teacher Day celebration	Cultural Program Committee
	Formation of Study Circles	All the departments
	Dr.S.R. Ranganathan Punyatithi	Library
<b>October 2022</b>	Wild Life Week	Dept. of Zoology & Botany
	Introducing the certificate Course	All departments
	Gandhi Jayanti and College Raising Day (Online)	Cultural Program Committee
	Allotment of Mentees	Guardian Teachers' Committee
<b>November 2022</b>	Fishery Day	Dept. of Zoology
	NCC DAY	NCC
	Indian Constitution Day	Dept. of Political Science
<b>December 2022</b>	World AIDS Day	NCC & NSS
	Quiz Contest	Dept. of Zoology
	Human Rights Day	Dept. of Political Science
	Death Anniversary of Sant Gadage Baba	Cultural Program Committee
	Seminar on Stress Management for students	Dept. of Physical Education
	Indian Consumer Day	Dept. of Commerce & Economics
<b>January 2023</b>	Awareness among the farmers regarding excess use of chemical fertilizer, pesticides and insecticides	NCC & Faculty of Science
	Mahila Din – Savitribai Fule Jayanti	Women's Cell & Cultural Program Committee
	Rashtriy Yuvak Din – Swami Vivekananda Jayanti & Jijau Jayanti	Cultural Program Committee
	Common Unit Test on prescribed syllabus	Exam Committee
	Workshop on Anchoring Skill for the students	Dept. of Marathi
	Workshop on Communication Skill	Dept. of English
	Mock Parliament	Dept. of Political Science
	One Day workshop for students on Share Market	Dept. of Economics & Commerce
Army Day	NCC	

	Interclass Kho-Kho & Kabaddi Competition	Dept. of Physical Education
	Republic Day	Dept. of Physical Science & NCC
	Book Exhibition	Library
	Birthday Celebration of Founder President Krushnaraoji Ingle	Cultural Program Committee
<b>February 2023</b>	Study Tour to Historical place in vicinity of college	Dept. of History
	Study Tour to Salaiban / Ambabarva	Dept. of Botany
	Study Tour	Dept. of Zoology
	Awareness Program for Tribal about Different Welfare Schemes of Government	College Unit
	Shivjayanti	Cultural Program Committee
	National Science Day	Faculty of Science (Combined event)
<b>March 2023</b>	International Women's Day	Women's Cell
	Reading Skill Development Activity	Department of English & Marathi
	World Consumer Day	Dept. of Commerce & Economics
	Guest Lecture on Career Opportunities after Graduation	Student Development Cell
	Case Study on Village Panchayat Members	Dept. of History, Economics & Political Science
<b>April 2023</b>	Birth Anniversary of Dr. Babasaheb Ambedkar	Cultural Program Committee
	World Book Day	Library
	Opportunities for Higher Education	Students Development Cell
<b>May 2023</b>	Maharashtra Din	Cultural Program Committee
	Exit Course	All Subjects
	Common Unit Test	Examination Committee
	Water Conservation Awareness Program	Dept. of Environmental Studies
	Work Management for Teaching & Non-Teaching Staff of college	IQAC

  
**IQAC Co-ordinator**  
**Arts and Commerce College,**  
**Warvat Bakal**



  
**Principal**  
**Arts & Commerce College,**  
**Warvat Bakal Dist. Buldana**



# ARTS AND COMMERCE COLLEGE

Warvat Bakal Dist.- Buldana

## Department of Chemistry

### Perspective Plan for Curriculum Implementation 2022-2023

B.Sc.- Part I SEM I			
Sr. No.	Unit	Available Lectures	Duration
1	Periodicity of elements	14 Lectures	July 2022 to November 2022
2	Acids and bases	14 Lectures	July 2022 to November 2022
3	Basics of organic chemistry	14 Lectures	July 2022 to November 2022
4	Aromatic hydrocarbons	14 Lectures	July 2022 to November 2022
5	Gaseous state	14 Lectures	July 2022 to November 2022
6	Liquid state	14 Lectures	July 2022 to November 2022
B.Sc.- Part II SEM III			
Sr. No.	Unit	Available Lectures	Duration
1	Ionic bonding	14 Lectures	July 2022 to November 2022
2	VSEPR theory, MOT	14 Lectures	July 2022 to November 2022
3	Haloalkanes and Haloarenes	14 Lectures	July 2022 to November 2022
4	Phenols	14 Lectures	July 2022 to November 2022
5	Crystalline state	14 Lectures	July 2022 to November 2022
6	Chemical kinetics	14 Lectures	July 2022 to November 2022
B.Sc.- Part III SEM V			
Sr. No.	Unit	Available Lectures	Duration
1	Coordination compounds -1	14 Lectures	July 2022 to November 2022
2	Coordination compounds-2	14 Lectures	July 2022 to November 2022
3	Heterocyclic compounds	14 Lectures	July 2022 to November 2022
4	Dyes drugs and pesticides	14 Lectures	July 2022 to November 2022
5	Photochemistry	14 Lectures	July 2022 to November 2022
6	Molecular spectroscopy	14 Lectures	July 2022 to November 2022
B.Sc.-Part I SEM II			
Sr. No.	Unit	Available Lectures	Duration
1	Polarization	14 Lectures	January 2023 to May 2023
2	P- block elements & nonaqueous solvents	14 Lectures	January 2023 to May 2023
3	Alkyl halides	14 Lectures	January 2023 to May 2023
4	Phenols, ethers and epoxides	14 Lectures	January 2023 to May 2023
5	Physical properties & molecular structure	14 Lectures	January 2023 to May 2023
6	Chemical kinetics	14 Lectures	January 2023 to May 2023
B.Sc.- Part II SEM IV			
Sr. No.	Unit	Available Lectures	Duration
1	Chemistry of transition series elements	14 Lectures	January 2023 to May 2023
2	Inner transition series elements	14 Lectures	January 2023 to May 2023
3	Polynuclear hydrocarbons	14 Lectures	January 2023 to May 2023
4	Aromatic nitro compounds	14 Lectures	January 2023 to May 2023
5	Colligative properties of dilute solutions	14 Lectures	January 2023 to May 2023
6	Crystalline state	14 Lectures	January 2023 to May 2023
B.Sc.-Part I SEM VI			
Sr. No.	Unit	Available Lectures	Duration
1	Kinetic aspects of metal complexes	14 Lectures	January 2023 to May 2023
2	Organometallic chemistry	14 Lectures	January 2023 to May 2023

3	Electronic spectroscopy & IR Spectroscopy	14 Lectures	January 2023 to May 2023
4	NMR and mass spectroscopy	14 Lectures	January 2023 to May 2023
5	Elementary quantum mechanics	14 Lectures	January 2023 to May 2023
6	Electrochemistry and nuclear chemistry	14 Lectures	January 2023 to May 2023

### Perspective Plan for Co-curricular Activities 2020-21

Sr. No.	Particulars	Date
01	Chemistry Study Circle Inauguration	10/08/2022
02	Guest Lecture	05/09/2022
03	Seminar Competition	19/09/2022
04	Industrial Tour	10/10/2022
06	National Science Day	28/02/2023
07		
08		



**Principal**  
Arts & Commerce College,  
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**PROGRAMS SCHEDULE (2022-2023)**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Date</b>	<b>Name of Teacher</b>
<b>01</b>	Chemistry Study Circle Inauguration	10/08/2022	Prof. N.D. Dahake
<b>02</b>	Guest Lecture	05/09/2022	Dr. V.D. Ingale
<b>03</b>	Seminar Competition	19/09/2022	Prof. N.S. Shelke
<b>04</b>	Industrial Tour	10/10/2022	Prof. K.P. Sabale
<b>05</b>	National Science Day	28/02/2023	Common to All Department

Mr. N. D. Dahake  
HOD



  
Principal  
Arts & Commerce College,  
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**ARTS & COMMERCE COLLEGE**  
**Warwat (Bakal) ,Dist :- Buldana**  
**Department of Botany**  
**Perspective Plan for Curriculum Implementation 2022-2023**

Teaching Plan for Theory (First Semester)			Class : B.Sc. Part I
Sr. No	Topic to be covered	Lectures Available	Duration
01	UNIT-I : Introduction to Microbial world	12	July-2022
02	UNIT-II: Cryptogams and Algae	12	Aug-2022
03	UNIT-III : Algae	12	Aug-2022
04	Unit-IV : Introduction to Fungi	12	Sept-2022
05	Unit-V : Fungi and Applied mycology	12	Oct-2022
06	Unit-VI : Phytopathology	12	Nov-2022
Teaching Plan for Practical (First Semester)			Class : B.Sc. Part I
Sr. No	Topic to be covered	Lectures Available	Duration
01	Preparation of temporary mount, identification with reason of following algal materials-Oedogonium, Hydrodictyon.	12	July-August 2022
02	Preparation of temporary mount, identification with reason of following algal materials- Vaucheria.	6	August 2022
03	Preparation of temporary mount, identification with reason of following algal materials- Sargassum.	6	September 2022
04	Study of genus Albugo & Uncinula.	6	September 2022
05	Study of genus Puccinia & Cercospora.	12	October 2022
06	Study of symptoms of fungal, viral, bacterial and Mycoplasmal diseases.	12	October 2022
07	Demonstration of Mushroom Cultivation Technology.	6	November 2022
08	Study of external and anatomy features of vegetative and reproductive parts of genera Funaria, Polytrichum and Sphagnum.	12	November 2022
09	Study of Pteridophyte external and anatomy features of vegetative and reproductive parts of genera – Osmunda&Selaginella.	12	November 2022
10	Study of fossil specimen.	6	November 2022
Teaching Plan for Theory (Second Semester)			Class : B.Sc. I
Sr. No	Topic to be covered	Lectures Available	Duration
01	UNIT-I : Bryophytes	12	Feb-2023
02	UNIT-II : Pteridophytes	12	Feb-2023

03	UNIT-III : Gymnosperms	12	March-2023
04	UNIT-IV: Morphology of Angiosperms (Vegetative)	12	March-April-2023
05	UNIT-V: Morphology of Angiosperms (Reproductive)	12	April-2023
06	UNIT-VI: Utilization of Plants and medicinal plants	12	April-May-2023
Teaching Plan for Practical (Second Semester)			Class : B.Sc. Part I
01	Gymnosperms: Morphology and anatomy of the -Pinus.	12	February 2023
02	Preparation of double stained permanent mount of Pinus stem, needle.	12	February 2023
03	Detailed morphological study of types of root with its modifications.	18	March 2023
04	Detailed morphological study of types of leaf with its modifications.	18	March 2023
05	Study of Types of placentation.	12	April 2023
06	Morphology of plant parts used and medicinal plants prescribed in syllabi	18	April 2023
Teaching Plan for Theory (Third Semester)			Class : B.Sc. II
Sr. No	Topic to be covered	Lectures Available	Duration
01	UNIT-I : Angiosperm Systematics and Biodiversity	14	July-2022
02	UNIT II: Angiosperm Systematics:	14	Aug-2022
03	UNIT III: Angiosperm Systematics	14	Aug-2022
04	UNIT IV: Anatomy	14	Sept-2022
05	UNIT V: Anatomy	14	Oct-2022
06.	UNIT VI: Embryology-	14	Nov-2022
Teaching Plan for Practical (Third Semester)			Class : B.Sc. II
Sr. No	Topic to be covered	Lectures Available	Duration
01	Embryology of Angiosperms: Observation of wide range of flowers available in the locality and methods of their pollination.	12	July- 2022
02	Study through permanent slides of T.S. of anthers, microsporogenesis, L.S. of ovule, types of endosperms and embryo of Capsella .	12	August-2022
03	Mounting of T.S. of anthers, Pollen	12	September- 2022

	grains and pollinia.		
04	Anatomy of angiosperms : Preparation of double stained slides of root,stem,leaf ( Dicot. & Monocot.)	18	September- 2022
05	Taxonomic description of family, Verbanaceae – <i>Lantana</i> . Malvaceae- <i>Hibiscus</i> . Fabaceae- <i>Crotalaria</i> . Caesalpinoidae- <i>Caesalpineia</i> , Asteraceae- <i>Tridax</i> . Apiaceae- <i>Corindrum</i> . Apocynaceae- <i>Vinca</i> . Asclepiadaceae- <i>Calatropis</i> . Solanaceae- <i>Datura</i> , Lamiaceae- <i>Oscimum</i> .	30	October-November-2022
06.	Group discussion, record book checking, certification	06	November-2022
Teaching Plan for Theory (Fourth Semester)			Class : B.Sc. II
Sr. No	Topic to be covered	Lectures Available	November-2022
01	Unit – I : Cell Biology	14	Feb-2023
02	Unit–II : Cell Biology Structure and functions : .	14	Feb-2023
03	Unit – III : Genetics	14	March-2023
04.	Unit–IV: Genetics	14	March-April-2023
05.	Unit – V Genetics	14	April-2023
06.	Unit – VI Biochemistry	14	April-May-2023
Teaching Plan for Practical (Fourth Semester)			Class : B.Sc. II
Sr. No	Topic to be covered	Lectures Available	Duration
01	Squash preparation for the study of various stages of mitosis	12	February 2023
02	Smear preparation for the study of various stages of meiosis.	12	February 2023
03	To prove Mendel’s Monohybrid ratio.	12	February-March 2023
04	To prove Mendel’s Dihybrid ratio.	12	March 2023
05	Problems based on Interaction of genes	24	March 2023
06	To demonstrate test for glucose in grapes, & sucrose in cane sugar / beet root.	06	April 2023

07	To demonstrate test for protein, lipid, starch	09	April 2023
08	To demonstrate the activity of enzyme amylase from germinating Wheat grains.	03	April 2023

Teaching Plan for Theory (Fifth Semester) Class : B.Sc. III

Sr. No	Topic to be covered	Lectures Available	Duration
01	Unit – I : Plant Water Relations	14	July-2022
02.	Unit - II: Metabolism-	14	Aug-2022
03.	Unit - III: Metabolism and growth	14	Aug-2022
04.	Unit – IV: Plant responses	14	Sept-2022
05.	Unit – V: Ecology and Environment:	14	Oct-2022
06.	Unit – VI: Ecosystem:	14	Nov-2022

Teaching Plan for Practical (Fifth Semester) Class : B.Sc. III

Sr. No	Topic to be covered	Lectures Available	Duration
01	To study the effect of temperature and organic solvent on permeability of plasma membrane.	06	July-August-2022
02	To determine the path of water (ascent of sap).	06	August-2022
03	To determine the rate of transpiration by Ganongs photometer.	06	August-2022
04	To determine rate of photosynthesis under varying quality of light and CO <sub>2</sub> concentration.	06	August-2022
05	Separation of chloroplast pigments by paper chromatography method.	06	September-2022
06	To study antagonism of salts.	03	September-2022
07	To study effect of IAA and Gibberellins on seed germination.	06	September-2022
08	To demonstrate exo and endosmosis.	03	September-2022
09	To demonstrate fermentation.	06	October-2022
10	To demonstrate transpiration by Bell jar.	06	October-2022
11	To demonstrate anaerobic respiration in germinating seeds.	06	October-2022
12	To demonstrate the phenomenon of nastic movement with help of <i>Mimosa pudica</i>	06	October-2022
13	Study of morphological and anatomical adaptations in hydrophytes – <i>Hydrilla</i> and <i>Nymphaea</i> .	06	October-November-2022
14	Study of morphological and anatomical adaptations in xerophytes - <i>Nerium</i> , <i>Casuarina</i> .	06	November-2022
15	Determination of pH of different soils and water samples by pH papers	06	November-2022
16	Study of meteorological instruments -Rain	06	November-2022

gauge, Hygrometer.		Class : B.Sc. III	
Teaching Plan for Theory (Sixth Semester)			Duration
Sr. No	Topic to be covered	Lectures Available	
01	Unit-I : DNA the genetic material :	14	Feb-2023
02	Unit-II : Gene Structure and Expression - Concept of gene, Fine structure of Gene.	14	Feb-2023
03	Unit - III : Regulation of Gene Expression	14	March-2023
04	Unit-IV : Genetic Engineering -	14	March-April-2023
05	Unit : V Plant tissue Culture	14	April-2023
06	Unit-VI : Applications of Biotechnology	14	April-May-2023
Teaching Plan for Practical (Sixth Semester)			Class : B.Sc. III
Sr. No	Topic to be covered	Lectures Available	Duration
01	Isolation of DNA by crude method	18	February 2023
02	Demonstration of Centrifugation	06	February 2023
03	Working Principle and application of Autoclave	06	February-March 2023
04	Working Principle and application of Laminar Air Flow	06	March 2023
05	Cleaning and Sterilization of Glassware	12	March 2023
06	Demonstration of technique of Micropropagation	12	April 2023
07	Preparation of Artificial Seed.	12	April 2023
08	Pollen viability test.	12	April 2023
09	Group discussion, record book checking, certification	06	April 2023



## Departmental Academic Calendar (2022-23)

Sr. No.	Activity	Commencement	Cessation	Total Days
01	First Session	01/07/2022	30/11/2022	110
02	Admission Process	01/07/2022	16/07/2022	14
03	Teaching Days (Odd Semesters)	25/07/2022 09/11/2022	22/10/2022=71 30/11/2022=19	90
04	Induction Program for First Year Students	18/07/2022	23/07/2022	06
05	First Term Vacation	24/10/2022	08/11/2022	16
06	Odd Semesters University Exam	01/12/2022	21/01/2023	45
07	Second Session	23/01/2023	27/05/2023	98
08	Teaching Days (Even Semesters)	01/02/2023	04/05/2023	93
09	Second Term Vacation	29/05/2023	01/07/2023	34
10	Even Semesters University Exam	06/05/2023	10/06/2023	--
11	Commencement of next Academic session 2022-23	03/07/2023		

Sr. No.	Public Holiday	Day & Date
01	Moharum	Tuesday, 9/08/2022
02	Rakshabandhan	Thursday, 11/08/2022
03	Independence Day	Monday, 15/08/2022
04	Parsi New Year (Shahenshahi)	Tuesday, 16/08/2022
05	Shri Ganesh Chaturthi	Wednesday, 31/08/2022
06	Anant Chaturdashi	Friday, 09/09/2022
07	Dasara	Wednesday, 05/10/2022
08	Republic Day	Thursday, 26/01/2023
09	Mahashivratri	Saturday, 18/02/2023
10	Holi (Second Day)	Tuesday, 07/03/2023
11	Gudhi Padwa	Wednesday, 22/03/2023
12	Shriram Navmi	Thursday, 30/03/2023
13	Mahavir Jayanti	Tuesday, 04/04/2023
14	Good Friday	Friday, 07/04/2023
15	Dr. B. A. Jayanti	Friday, 14/04/2023
16	Ramzan Id (Id-UI-Fitar)	Saturday, 22/04/2023
17	Maharashtra Day	Monday, 01/05/2023
18	Buddha Pournima	Friday, 05/05/2023

# ARTS AND COMMERCE COLLEGE

Warvat (Bakal) ,Dist :- Buldana

Department of Botany

Teaching Plan for Curriculum Implementation 2022-23

S.S.Mhasal

Teaching Plan for Theory (First Semester)		Class : B.Sc. Part I	
Sr. No.	Topic to be covered	Lectures Available	Duration
01	<b>Unit-IV : Introduction to Fungi</b>	16	July 2022 to September 2022
02	<b>Unit-V : Fungi &amp; Applied Mycology</b>	15	September 2022 -October 2022
03	<b>Unit-VI : Phytopathology</b>	15	October 2022 to November 2022
Teaching Plan for Practical (First Semester)		Class : B.Sc. Part I	
Sr. No.	Topic to be covered	Lectures Available	Duration
01.	Study of types of bacteria from temporary / permanent slides / photographs.	06	July 2022
02	Study of Bacterial Staining (Gram staining)	06	August 2022
03.	Study of TMV from Models/ Photographs.	03	August 2022
04.	Algae - Preparation of temporary mount, identification with reasons of following algal materials : <i>Nostoc, Oedogonium, Chara, Vaucheria, Ectocarpus, Batrachospermum</i>	24	August 2022-Sep.2022
05.	<b>Fungi and Plant Pathology :</b> 1. Study of following Genera - <i>Albugo, Rhizopus, Aspergillus, Puccinia, Cercospora,</i>	12	Sep.2022
06.	Study of Crustose, Fruticose and Foliose lichen.	12	Sep.2022
07.	Study of symptoms of fungal, viral, bacterial diseases.	18	Oct. 2022
08.	Photographic herbarium of diseased plant parts from local region	18	Nov.2022
09.	<b>Additional Activities</b> 1. Botanical Excursion (short/long) 2. Visit to any biodiversity-rich area to study the plant diversity in natural habitat. The botanical excursion is compulsory for all students and the report of the excursion should be submitted at the time of		

10.	practical examination <b>Submission</b> 1. Photographic herbarium of diseased plant plants. 2. Tour reports or field visit report		
<b>Teaching Plan for Theory (Second Semester) Class : B.Sc. I</b>			
Sr. No.	Topic to be covered	Lectures Available	Duration
01	<b>UNIT-IV: Morphology Of Angiosperms (Vegetative)</b>	12	Feb.2023
02	<b>UNIT-V: Morphology Of Angiosperms (Reproductive)</b>	14	March 2023
03	<b>UNIT-VI:Utilization of Plants &amp; Medicinal Plants</b>	15	April 2023- May 2023
<b>Teaching Plan for Practical (Second Semester) Class : B.Sc. I</b>			
Sr. No.	Topic to be covered	Lectures Available	Duration
01	Bryophyta: Study of morphology and anatomy of vegetative and reproductive parts of following genera – <i>Marchantia and Funaria</i>	12	Feb. 2023
02	Pteridophyta: Study of morphology and anatomy of vegetative and reproductive parts of following genera – <i>Equisetum and Marsilea</i>	12	Feb. 2023
03	Gymnosperms: Study of morphology and anatomy of vegetative and reproductive parts of following genera – <i>Pinus and Gnetum</i>	12	March. 2023
04	Morphology: Detail morphological study of following types of plant parts - Root, Stem, Leaves, Inflorescence, Flower, Placentation and Fruits	24	March. 2023
05	Utilization of plants: Morphology varieties and economic importance of following plants i) Food plant : Wheat ii) Oil yielding plant: Groundnut iii) Fiber yielding : Cotton	12	April-. 2023
06	Medicinal plants- <i>Adhatoda vasica, Asparagus racemosus, Catharanthus roseus, Ocimum sanctum, Rauwolfia serpentina, Withania somnifera, Tinospora cordifolia</i>	06	May 2023
07	Botanical Excursion (short/long) Visit to any biodiversity rich area to study the plant diversity in natural habitat. The botanical excursion is compulsory for all students and the report of excursion should be submitted at the time of practical examination.		

	Photographic collection of bryophytic, pteridophytic and gymnospermic plants specimens		
08	1. Photographic herbarium of Bryophytes, Pteridophytes, Gymnosperms etc. 2. Botanical excursion report		
<b>Teaching Plan for Practical (Third Semester)</b>		<b>Class : B.Sc. II</b>	
Sr. No.	Topic to be covered	Lectures Available	Duration
01	Embryology of Angiosperms: Observation of wide range of flowers available in the locality and methods of their pollination.	09	July 2022
02	Study through permanent slides of T.S. of anthers, microsporogenesis, L.S. of ovule, types of endosperms and embryo of <i>Capsella</i> .	15	August 2022
03	Mounting of T.S. of anthers, Pollen grains and pollinia.	15	August 2022
04	Anatomy of angiosperms : Preparation of double stained slides of root. (Dicot. & Monocot.)	18	August 2022 - Sep.2022
05	Anatomy of angiosperms : Preparation of double stained slides of stem. (Dicot. & Monocot.)	12	Sep.2022
06	Anatomy of angiosperms : Preparation of double stained slides of leaf. (Dicot. & Monocot.)	12	Sep.2022
07	Taxonomic description of family, <b>Verbanaceae</b> – <i>Lantana</i> .	09	Sep.2022
08	Taxonomic description of family, <b>Malvaceae</b> - <i>Hibiscus</i> .	03	Sep.2022
09	Taxonomic description of family, <b>Fabaceae</b> - <i>Crotalaria</i> .	06	Oct.2022
10	Taxonomic description of family, <b>Caesalpinoideae</b> - <i>Caesalpineae</i> .	06	Oct.2022
11	Taxonomic description of family, <b>Asteraceae</b> - <i>Tridax</i> .	06	Oct.2022
12	Taxonomic description of family, <b>Apiaceae</b> - <i>Corindrum</i> .	06	Oct.2022- Nov.2022
13	Taxonomic description of family, <b>Apocynaceae</b> - <i>Vinca</i> .	06	Nov.2022
14	Taxonomic description of family, <b>Asclepiadaceae</b> - <i>Calatropis</i> .	06	Nov.2022
15	Taxonomic description of family, <b>Solanaceae</b> - <i>Datura</i> .	06	Nov.2022
16	Taxonomic description of family, <b>Lamiaceae</b> - <i>Oscimum</i> .	06	Nov.2022
17	Group discussion, record book checking, certification	06	Nov.2022

Teaching Plan for Practical (Fourth Semester)		Class : B.Sc. II	
Sr. No.	Topic to be covered	Lectures Available	Duration
01	Squash preparation for the study of various stages of mitosis	30	Feb.2023
02	Smear preparation for the study of various stages of meiosis.	30	Feb.2023
03	To prove Mendel's Monohybrid ratio.	36	March 2023
04	To prove Mendel's Dihybrid ratio.	33	March 2023
05	Problems based on Interaction of genes	30	April 2023
06	To demonstrate test for glucose in grapes, & sucrose in cane sugar / beet root.	27	April 2023
07	To demonstrate test for protein.	03	April 2023
08	To demonstrate the lipid test in oily seeds.	03	May2023
09	To demonstrate the test for starch / cellulose.	03	May2023
10	To demonstrate the activity of enzyme amylase from germinating Wheat grains.	03	May2023
Teaching Plan for Theory (Fifth Semester)		Class : B.Sc. III	
Sr. No.	Topic to be covered	Lectures Available	Duration
01	<b>Plant Water Relations</b>	15	July 2022- Nov 2022
Teaching Plan for Practical (Fifth Semester)		Class : B.Sc. III	
Sr. No.	Topic to be covered	Lectures Available	Duration
01	To study the effect of temperature and organic solvent on permeability of plasma membrane.	03	July 2022
02	To determine the path of water (ascent of sap)	03	August 2022
03	To determine the rate of transpiration by Ganongs photometer.	03	August 2022
04	To determine rate of photosynthesis under varying quality of light and CO <sub>2</sub> concentration.	06	August 2022
05	Separation of chloroplast pigments by paper chromatography method.	03	September 2022
06	To study antagonism of salts.	03	September 2022
07	To study effect of IAA and Gibberellins on	03	September 2022

	seed germination.		
08	To demonstrate exo and endosmosis.	03	September 2022
09	To demonstrate fermentation.	03	Oct.2022
10	To demonstrate transpiration by Bell jar.	03	Oct.2022
11	To demonstrate anaerobic respiration in germinating seeds.	03	Oct.2022
12	To demonstrate the phenomenon of nastic movement with help of <i>Mimosa pudica</i>	03	Nov.2022
13	Study of morphological and anatomical adaptations in hydrophytes – <i>Hydrilla</i> and <i>Nymphaea</i> . Determination of pH of different soils and water samples by pH papers	03	Nov.2022
14	Study of morphological and anatomical adaptations in xerophytes - <i>Nerium</i> , <i>Casuarina</i> . Study of meteorological instruments -Rain gauge, Hygrometer.	03	Nov.2022
<b>Teaching Plan for Theory(Sixth Semester)</b>		<b>Class : B.Sc. III</b>	
Sr. No.	Topic to be covered	Lectures Available	Duration
01	<b>Unit-I : DNA the genetic material :</b>	13	Feb.2023 - May.2023
<b>Teaching Plan for Practical (Sixth Semester)</b>		<b>Class : B.Sc. III</b>	
Sr. No.	Topic to be covered	Lectures Available	Duration
01	Isolation of DNA by crude method	06	Feb
02	Demonstration of Centrifugation	03	Feb
03	Working Principle and application of Autoclave	06	Feb-2023-March.2023
04	Working Principle and application of Laminar Air Flow	06	March.2023
05	Cleaning and Sterilization of Glassware	06	March.2023
06	Demonstration of technique of Micropropagation	03	April.2023
07	Preparation of Artificial Seed.	06	April.2023
08	Pollen viability test.	03	April.2023
09	Group discussion, record book checking, certification	03	May.2023

# ARTS AND COMMERCE COLLEGE

WarvatBakalDist- Buldana

## Department of Zoology

### Perspective Plan for Curriculum Implementation 2022-23

B.Sc Part I SEM I		
Unit	Available Lectures	Duration
I. Classification of non-chordate and phylum protozoa	15 period	Sept. 22
II. Phylum Porifera and phylum Coelenterate	13 periods	Sept. 22
III Phylum Platyhelminthes and phylum Aschelminths	12 periods	Oct. 22
IV Phylum Annelida and Arthropoda	14periods	Oct. 22
V phylum Mollusca and Phylum Echinodermata	15 periods	Nov. 22
VI Hemichordata, coral Reefs, Parasitic Adaptation in Helminth	15Periods	Dec. 22
B.Sc. Part II SEM III		
Unit	Available Lectures	Duration
I Phylum-chordata	12 periods	Sept. 22
II Class Amphibia	18 Periods	Sept. 22
III Class – Aves	12 Periods	Oct. 22
IV Evolution: Meaning and scope	14 periods	Oct. 22
V Evolutionary Process	14 periods	Nov. 22
VI Adaptive Radiation	13 period	Dec. 22
B.Sc. Part III SEM V		
Unit	Available Lectures	Duration
I Respiration and Circulation	15 periods	Sept. 22
II Muscle Physiology	20 periods	Sept. 22
III Nerve physiology and chemical Coordination	14 Periods	Oct. 22
IV Reproductive physiology, Homeostasis	12 periods	Oct. 22
V Agricultural Zoology: Economic Importance of Insect	09 periods	Nov. 22
VI- Aquaculture	13 periods	Dec. 22
B.Sc. Part I SEM II		
Unit	Available Lectures	Duration
I Cell structure and cell organelles	10 periods	
II Cell Organelles	14 periods	
III Nucleus and chromosome	15 period	
IV Cell division, Gametogenesis and Fertilization	14 period	
V Cleavage, Blastulation and Gastrulation in Amphioxus, Frog and chick	21 periods	
VI Placentation, Parthenogenesis, Regeneration and stem cell	16 periods	
B.Sc. Part II SEM IV		
Unit	Available Lectures	Duration

I Concept of genes	14 periods	
II Linkage	15 periods	
III Sex Determination	14 Periods	
IV Genetic Screening and Prenatal Diagnosis	15 periods	
V Ecology: Concept and scope	17 periods	
VI Ecosystem	15 periods	
<b>B,Sc Part III SEM VI</b>		
Unit	Available Lectures	Duration
I Genetic material (DNA and RNA)	12 periods	
II DNA replication	15 periods	
III The Genetic code, protein synthesis and Gene regulation	15 periods	
IV Mutation	15 periods	
V Biotechnology : Genetic Engineering	19 periods	
VI Immunology	14 Periods	

### Perspective Plan for Co-curricular Activities 2021-22

Sr. No.	Activity	Tentative Duration
1.	Induction program of B.Sc I	September 2022
2.	Ozone Day celebration	September 2022
3.	Wild Life Week Celebration	October 2022
4.	Fishery Day	November 2022
5.	International Day For elimination of violence against women	November 2022
6.	AIDS day celebration	December 2022
7.	Zoological Study circle formation	December 2022
8.	Any one Extension Activity	January 2023
09.	Celebration of death anniversary of scientist Carl Linnaeus	January 2023
10.	Earnest Hackel Birth Anniversary	February 2023
11.	National Science Day celebration	February 2023
12.	International Women's Day	March 2023
13.	World Sparrow day	March 2023



  
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## Arts and Commerce College, Warwat Bakal

### Department of Zoology

DEPARTMENTAL CALENDAR 2022-23		
Day	Event	Organizing Department
<b>August 2022</b>		
01/08/2022 to 06/08/2022	Induction Programme of B.Sc I	Department of Zoology (online)
<b>September 2022</b>		
27/09/2023	Zoological study circle formation	Department of zoology
29/09/2022	Extension activity (Lumpy disease in cow)	Department of zoology
<b>October 2022</b>		
1 <sup>st</sup> Oct ----8 Oct (wild life week)	Wild life week celebration	Dept. of Zoology
<b>February 2023</b>		
28 th February 2022	National Science Day celebration	Dept of Zoo, Bot and chemistry
<b>March 2022</b>		
14/03/2022	Out rich activity ( To Aware women in rural area for their Hb and sickle cell anemia )	Department of zoology
20 March 2022	Word Sparrow Day	Dept. of zoology
<b>April 2023</b>		
05/04/23	Microtechnique workshop at shri Shivaji science college, Akot	Department of zoology Akot, Warwat , Anjangaon Surji and Telhara



  
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<b>Teaching Plan for Theory (First Sem.) Class : B.Com. Part I Sub-Advanced Accountancy</b>			
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	BOOK KEEPING & ACCOUNTANCY	13	
02	ACCOUNTING TRANSACTION	13	
03	SUB-SIDIARY BOOKS	13	
04	RECTIFICATION OF ERROR	12	
05	DEPRICIATION ACCOUNTING	12	
06	SKILL ENHANNCEMENT MODULE	12	
	<b>TOTAL</b>	<b>75</b>	
<b>Teaching Plan for Theory (Second Sem.)Class : B.Com. Part I Sub- Finanncial Accounting</b>			
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	FINAL ACCOUNTS OF INDIVIDUAL	15	
02	BILL OF EXCHANGE	15	
03	ACCOUNTS OF NON PROFIT ORGANIZATION	15	
04	FINAL ACCOUNTS OF CO-OPERATIVE SOCIETIES	13	
05	FINAL ACCOUNTS OF PARTENERSHIP FIRMS	13	
06	SKILL ENHANNCEMENT MODULE	13	
	<b>TOTAL</b>	<b>84</b>	
<b>Teaching Plan for Theory (Third Sem.) Class :B.Com. Part II Sub- Monetary System</b>			
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	MONEY	14	
02	VALUE OF MONEY	15	
03	PRICE FLUCTUATIONS	15	
04	MONEY MARKET	15	
05	CAPITAL MARKET	15	
	<b>TOTAL</b>	<b>74</b>	
<b>Teaching Plan for Theory (Fourth Sem.) Class : B.Com. Part II Sub- Indian Financial System</b>			
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	INDIAN FINANCIAL MARKET	18	
02	INDIAN BANKS	18	
03	COMMERCIAL BANKS	18	
04	RESERVE BANK OF INDIA	15	
05	STOCK EXCHANGE	15	
	<b>TOTAL</b>	<b>84</b>	
<b>Teaching Plan for Theory (Third Sem.) Class : B.Com. Part II Sub- InformatiomTechnplogy&amp; Business Data Processing-I</b>			
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	DATA & DATA PROCESSING	11	
02	DATABASE	10	
03	DATABASE MANAGEMENT SYSTEM	10	
04	SPREADSHEET PACKAGE	19	
05	FORMULAS,FUNCTIONS AND CHART IN EXCELS	24	
	<b>TOTAL</b>	<b>74</b>	
<b>Teaching Plan for Theory (Fourth Sem.) Class : B.Com. Part II Sub- InformatiomTechnplogy&amp; Business Data Processing-II</b>			
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	INFORMATION TECHNOLOGY	10	
02	COMPUTERISED ACCOUNTING PACKAGE	10	
03	ACCOUNTING SOFTWARE	10	
04	WORKING IN TALLY	10	
05	REPORTS & ADVANCED FEATURES IN TALLY	44	

	<b>TOTAL</b>	<b>84</b>	
<b>Teaching Plan for Theory (Third Sem.)</b>		<b>Class : B.Com. Part II</b>	<b>Sub- Business Mathematics</b>
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	NATURAL NUMBERS, INTEGERS	10	
02	H.C.F. & L.C.M.	10	
03	PERCENTAGE-DISCOUNT , COMMISSION & BROKERAGE	10	
04	AVERAGE, PROFIT & LOSS	12	
	<b>TOTAL</b>	<b>42</b>	
<b>Teaching Plan for Theory (Fourth Sem.)</b>		<b>Class : B.Com. Part II</b>	<b>Sub- Business Statistics</b>
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	INTRODUCTION OF STATISTICS	15	
02	INDEX NUMBERS	15	
03	ANALYSIS OF UNIVERSAL DATA	15	
	<b>TOTAL</b>	<b>45</b>	
<b>Teaching Plan for Theory (Fifth Sem.)</b>		<b>Class : B.Com. Part III</b>	<b>Sub- Business Environment</b>
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	INDIAN BUSINESS ENVIRONMENT	15	
02	INDIAN AGRICULTURAL ENVIRONMENT	15	
03	INDIAN INDUSTRIAL ENVIRONMENT	15	
04	INDIAN SERVICE ENVIRONMENT	15	
05	INDIA & FOREIGN TRADE ENVIRONMENT	14	
	<b>TOTAL</b>	<b>74</b>	
<b>Teaching Plan for Theory (Sixth Sem.)</b>		<b>Class : B.Com. Part III</b>	<b>Sub- Economics Of Development</b>
Sr. No.	Topic to be covered	Lectures Available	Lectures Utilized
01	ECONOMIC DEVELOPMENT	15	
02	ECONOMIC GROWTH MODELS	15	
03	ECONOMIC GROWTH MODELS	18	
04	GROWTH- BALANCED & UNBALANCED	18	
05	DEVELOPMENT OF CAPITAL- HUMAN & FINANCIAL	18	
	<b>TOTAL</b>	<b>84</b>	



  
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## ARTS & COMMERCE COLLEGE, WARVAT BAKAL

Department : Commerce

### PROGRAMS SCHEDULE ( 2022 - 23)

Sr. No.	Particulars	Date
1	Online Bridge Course For First Year Students	04/08/2022
2	Online Quiz Competition On Mahatama Gandhi Jayanti	02/10/2022
3	Study Circle Formation	12/11/2022
4	Debate	15/12/2022
5	Group Discussion	29/12/2022
6	World Consumer Day	15/03/2023
7	Seminar	18/03/2023
8	Guest Lecture	11/04/2023



  
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**ACADEMIC ACTION PLAN 2022-23**

**Department of Economics**

01	Name of the Department	Economics	
02	Name of faculty members with qualification	Dr.SubhashGurjar (M.A.Eco,M.phil,Ph.d,SET)	
03	Refresher Course/ Orientation Program/ Short Term Course/ Any Others	01	
04	Research Publication	i) Book Publication	01
		ii) Chapter in Book	01
		iii) Research Articles in UGC CARE listed Journal	01
		iv) Research Paper in conference/ seminar (Presentation)	02
		v) Research Paper in conference/ seminar proceeding (Publication)	01
		vi) Conference/ Seminar/ Workshop (To be attended)	03
		vii) Resource Person/ Chairperson	01
		viii) Ph. D registered/Ongoing/Awarded	Awarded
		xv ) Ph. D guide and no. of students registered /to be registered under	Ph.d Guide
	xvi) Minor/ Major Project	---	
05	Conference/ Seminar/ Workshop (To be organized)	01	
06	Collaboration	01	
07	Consultancy	Nil	
08	Extension Activities and Social Responsibility	Social awareness program	
09	Academic Activities to be organized (Guest lecture, class room seminar, contest, education tour, celebration of birth and death anniversary of national leaders, no. of visiting & guest faculties etc.)	Guest lecture :- 01 Seminar :- 02 Education tour :- 02 Bank visit :- 01 Farm visit :- 01	
10	Innovative and Best Practices <ul style="list-style-type: none"> <li>• Name of the title of the practice.</li> <li>• Introduction</li> <li>• Objectives</li> <li>• Theme/ context</li> <li>• The practice</li> <li>• Evidence of success</li> <li>• Problems encountered and resources required</li> </ul>	Banking awareness	
11	Any other if you wish to add	---	
12	Curriculum Enrichment (Draft the letter to the concerned BOS of University)	Paper setting Moderation Discuss the syllabus	

**ARTS AND COMMERCE COLLEGE**  
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**Department of Economics**

**Perspective Plan for Curriculum Implementation 2022-23**

<b>BA Part I SEM I</b>		
Unit	Available Lectures	Duration
I Introduction to Economics	18 periods	August 30 to September 2021
II Demand & Supply	18 periods	September 2021 to October 2021
III Cost & Revenue	17 periods	November to December 2021
IV Market Structures	17 periods	December 2021 to January 2022
V Factors of Production	17 periods	January 2022
<b>BA Part II SEM III</b>		
Unit	Available Lectures	Duration
I Introduction to Macro Economics	10 periods	August 30 to September 2021
II Money & Value of Money	10 periods	September 2021 to October 2021
III Inflation & Deflation	10 periods	November to December 2021
IV Production & Employment	11 periods	December 2021 to January 2022
V International Trade	09 periods	January 2022
<b>BA Part III SEM V</b>		
Unit	Available Lectures	Duration
I Indian Economy and Planning	12 periods	August 30 to September 2021
II Agriculture	11 periods	September 2021 to October 2021
III Industry	11 periods	November to December 2021
IV External Sectors & Important areas of concern	11 periods	December 2021 to January 2022
V Environment and pollution	11 periods	January to February 2022
<b>BA Part I SEM II</b>		
Unit	Available Lectures	Duration
I Geographical & Economy Features of Maharashtra	18 periods	January to February 2022
II Population features of Maharashtra	18 periods	February to March 2022
III Agricultural Economy	17 periods	March to April 2022
IV Industry & Infrastructure in Maharashtra	17 periods	April To MAY 2022
V Economy of Maharashtra	18 periods	MAY 2022
<b>BA Part II SEM IV</b>		
Unit	Available Lectures	Duration
I Commercial Bank	18 periods	January to February 2022
II Central Bank	18 periods	February to March 2022
III Co-operative Bank & Nabard	18 periods	March to April 2022
IV International Monetary fund & World Bank	17 periods	April To MAY 2022
V Recent services in Banking sector	17 periods	MAY 2022
<b>BA Part III SEM VI</b>		
Unit	Available Lectures	Duration
I Introduction of Demography	18 periods	January to February 2022
II Fertility and Mortality	17 periods	February to March 2022
III Migration of Population	18 periods	March to April 2022
IV Urbanization of Population	17 periods	April To MAY 2022
V Population and Development	18 periods	MAY 2022



**Principal**  
**Arts & Commerce College,**  
**Warwat Bakal Dist. Buldana**

**Department of Economics**  
**Perspective Plan for Co-curricular Activities 2022-23**

Sr. No.	Activity	Tentative Duration
1.	Welcome Program of First year students	Third Week of September 2022
2.	Book published	September 2022
3.	Quiz Competition of Banking	October 2022
4.	Study Circle Formation of Economics	October 2022
5.	Celebration of National consumer day	24 December 2022
6.	Bank Visit	Last week of December 2022
7.	Celebration of World consumer day	15 March 2023
8.	Farm Visit	April 2023

  
**Principal**  
Arts & Commerce College,  
Warvat Bakal Dist. Buldana

  
**IQAC Co-ordinator**  
Arts and Commerce College,  
Warvat Bakal



  
**Principal**  
Arts & Commerce College,  
Warvat Bakal Dist. Buldana

## D. Slow & Advanced Learners

### ARTS & COMMERCE COLLEGE, WARVAT BAKAL

#### Slow, Moderate and Advanced Learners 2022-23

The following students have been classified as Slow, Moderate and Advanced learners on the basis of assessment of home assignment. As the offline classes were ceased because of Corona pandemic, this classification was modified on the basis of their responses and punctuality during online lectures.

SUBJECT	CLASS	SLOW LEARNERS	MODERATE LEARNERS	ADVANCED LEARNERS
MARATHI	BA PART I	106	29	02
	BA PART II	76	66	03
	BA PART III	35	55	06
ENGLISH	BA PART I	75	106	30
	BA PART II	70	80	28
	BA PART III	43	50	26
	B.COM I	43	38	20
	B.COM II	54	31	30
	B.COM III	34	42	22
	B.SC PART I	40	54	30
ECONOMICS	BA PART I	65	45	24
	BA PART II	42	53	37
	BA PART III	36	19	33
POLITICAL SCIENCE	BA PART I	49	43	77
	BA PART II	64	13	11
	BA PART III	34	11	28
HISTORY	BA PART I	160	44	5
	BA PART II	92	59	23
	BA PART III	80	36	02
MARATHI LITERATURE	BA PART I	01	02	05
	BA PART II	08	20	00
	BA PART III	02	10	00
COMMERCE	B.COM I	26	50	42
	B.COM II	34	40	44
	B.COM III	20	28	50
CHEMISTRY	B.SC PART I	92	22	92
	B.SC PART II	53	08	07
	B.SC PART III	10	24	11
BOTANY	B.SC PART I	49	30	15
	B.SC PART II	27	13	7
	B.SC PART III	19	23	23
ZOOLOGY	B.SC PART I	54	35	11
	B.SC PART II	17	11	21
	B.SC PART III	18	21	26
Political Science	MA-1	9	10	10
Economics	MA-1	10	18	04
Commerce	MCOM-1	6	20	14



Chemistry	M.Sc.-1	01	14	05
Botany	M.Sc.-1	5	9	6
Zoology	M.Sc.-1	5	7	5

## Arts & commerce College Warwat Bakal

### Department of Chemistry

#### Slow, Moderate & Advance Learners

#### BSc-1 Sem-I Winter-2022 CBCS

The following students have been classified as slow, moderate & advanced learners on the basis of assessment of odd semester exam results, this classification was modified on the basis of their responses & punctuality during offline lectures

Advanced Learners	10
Moderate Learners	22
Slow Learners	92
Total	124

❖ For **advance learners** students got  $\geq 65\%$  marks

❖ For **Moderate learners** students got PASS &  $\geq 50 - \leq 64.99\%$  marks.

❖ For **Slow learners** students got  $\leq 49.99\%$  or fail marks

### Advanced Learners

Sr. No.	Name of Students	Percentage (%)	Sr. No.	Name of Students	Percentage
1	Vinaya Mahadev Bhamadre	85.33	6	Nikita Vishnu Chaudhari	69.33
2	Gayatri Pralhad Dhage	83.33	7	Aparna Dnyaneshwar Rajuskar	68.67
3	Tanaya Santosh Chavan	74.67	8	Dipali Gajanan Adhao	68.67
4	Arpita Mukesh Kedar	72.00	9	Anuradha Ganesh Mesare	67.33
5	Arpita Ravindra Suke	69.33	10	Sakshi Pralhad Aswar	65.33

### Moderate Learners

Sr. No.	Name of Students	Percentage (%)	Sr. No.	Name of Students	Percentage
1	Aaliya Bakhtiyar Azhar Ali	64.00	12	Kalyani Santoshrao Hage	58.67
2	Dipali Vinod Bhivate	64.00	13	Megha Rajesh Umale	58.67
3	Gauri Sanjay Kalamkar	62.67	14	Ashwini Subhash Morkhade	58.00
4	Rasika Pramod Ighokar	62.67	15	Sakshi Ramesh Ighokar	58.00
5	Nayna Vilas Sonone	62.00	16	Aditya Rajendra Mhasal	57.33
6	Gayatri Mohan Gawande	60.67	17	Akash Sudhakar Zamare	57.33
7	Sujata Santosh Bhivate	60.00	18	Bhavna Bharat Dandge	57.33
8	Vrushali Yashvant Ugalkar	60.00	19	Aarti Raju Makode	56.67
9	Payal Sunil Kandarkar	59.33	20	Shravani Devendra Bihade	56.67
10	Sanjana Jagannath Gavhande	59.33	21	Navin Haribhau Tayade	55.33
11	Vanshika Mahesh Shekokar	59.33	22	Abhijit Sheshrao Wankhade	54.00

## Slow Learners

Sr. No.	Name of Students	Percentage (%)	Sr. No.	Name of Students	Percentage
1	Shivani Dilip Bobade	58.00	47	Hrushikesh Manohar Bhad	42.00
2	Aarti Sudhir Deukar	57.33	48	Mohammad Faizanuddin Mohammad Ansaruddin	41.33
3	Sneha Ashok Bhongre	57.33	49	Prathamesh Dinesh Thokane	41.33
4	Arti Waman Gawande	56.00	50	Prathamesh Shrikrushna Sadaphale	41.33
5	Gayatri Rajesh Sadafale	54.67	51	Rohti Wasudeo Mahulkar	40.67
6	Hirabai Devsing Jamra	54.67	52	Shreyash Mohan Katole	40.67
7	Surabai Devsing Jamara	54.67	53	Tejas Pralhad Raundale	40.67
8	Chaitali Sanjay Thakare	53.33	54	Nitin Maroti Bawane	40.00
9	Vaishnavi Santosh Thakare	53.33	55	Prasad Gajanan Ingle	39.33
10	Swapnil Himmat Munde	52.67	56	Rajveer Sonaji Solanke	38.67
11	Maziya Khanam Nasim Khan	52.00	57	Sharafat Rashad Ali	38.67
12	Gauri Rameshwar Gawande	51.33	58	Tejas Santosh Wankhade	38.67
13	Kishori Pandurang Solanke	51.33	59	Gaurav Rameshwar Bhagat	38.00
14	Nikita Dnyaneshwar Tarale	51.33	60	Shahzad Kham Mohammad Khan	38.00
15	Rutuja Wasudeo Rajankar	51.33	61	Tejas Santosh Sonone	38.00
16	Shital Gajanan Wagh	51.33	62	Ravindra Ambadas Gujarathi	36.67
17	Shivani Shrikrushna Mhasal	51.33	63	Keshav Shatrughan Tijare	36.00
18	Yash Purushottam Takalkar	51.33	64	Purushottam Madhukar Bhatkar	36.00
19	Zeba Farheen Ikram Shaikh	51.33	65	Nilesh Janardhan Bunde	35.33
20	Mahek Tasneem Razique Shaikh	50.00	66	Om Kashiram Umale	35.33
21	Sagar Shaligram Hage	50.00	67	Piyush Gopal Bopale	32.67
22	Sakshi Gajanan Khopale	50.00	68	Jay Dilip Gotmare	32.00
23	Abhishek Nandkishor Bavaskar	49.33	69	Pranav Sanjay Satav	31.33
24	Abhishek Sarangdhar Sakhare	49.33	70	Prashant Mahadev Sapkal	31.33
25	Payal Vinod Avchar	49.33	71	Soham Nandkishor Thakare	31.33
26	Pooja Gajanan Rakhonde	49.33	72	Nivrutti Ankush Kale	30.00
27	Vaishali Prashant Shende	49.33	73	Parikshit Shivaji Sambhare	30.00
28	Pooja Ukarda Kurwale	48.67	74	Ganesh Gopal Amzare	26.67
29	Aniket Subhash Wankhade	48.00	75	Snehal Pramod Wankhade	24.67
30	Dipak Vinayak Raut	47.33	76	Ganesh Gajanan Rothe	22.67
31	Nutan Gajanan Bhatkar	47.33	77	Yash Dilip Ambuskar	22.00
32	Punam Prabhakar Chaukhande	47.33	78	Mayuri Sanjay Lipte	21.33
33	Sakshi Dadarao Wankhade	46.67	79	Saurabh Bandu Bawane	18.67
34	Sanket Pralhad Takalkar	46.67	80	Asmita Manikrao Dhundale	17.33
35	Shekh Sharik Shekh Shakil	46.67	81	Harish Narendra Bathe	16.67
36	Ganesh Suresh Dhage	46.00	82	Mahesh Keshav Mali	16.00
37	Kirti Dayaram Wagh	46.00	83	Gayatri Pradip Thokane	15.33
38	Sakshi Gajanan Ingle	45.33	84	Waqas Khan Qudrat Khan	15.33
39	Rishikesh Shardul Nimbare	44.67	85	Gayatri Shankar Misal	14.00
40	Anuj Sanjay Tathe	44.00	86	Nishant Balkrushna Bhagat	14.00
41	Pratiksha Bhika Tayade	44.00	87	Prakash Vijay Sardar	12.67
42	Sharique Khan Shahadaf Khan	44.00	88	Prashant Madhukar Panherkar	11.33
43	Kunal Vinod Kalamkar	43.33	89	Mayur Anilrao Gomase	10.00
44	Priyanka Mohan Umbarkar	43.33	90	Madhav Bhagwan Bihade	9.33
45	Punam Niranjan Tayade	43.33	91	Sanchit Ravindra Dose	9.33
46	Suraj Tejrao Dhundale	42.67	92	Tushar Santosh Gomase	9.33

  
**IQAC Co-ordinator**  
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