'Social Transformation Through Dynamic Education'



BHARATI VIDYAPEETH (Deemed to be University), Pune, India YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE & COMMERCE, PUNE-38

Accredited with 'A+' Grade (3rd cycle) by NAAC 'A' Grade University Status by MHRD, Govt. of India Accredited (2004)& Reaccredited (2011)with 'A' Grade by NAAC

PROSPECTUS-CUM-HANDBOOK

2021-2022

BHARATI VICYAPEETH UNIVERSITY, PUNE YASHWANTRAO MOHITE COLLEGE

SENIOR COLLEGE (Under Graduate & Post Graduate Courses)



BHARATI VIDYAPEETH (Deemed to be University), Pune, India



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EDUCATIONAL CENTRES

- Pune
- New Delhi
- Sangli Solapur

Navi Mumbai

- Kolhapur Karad
- Jawhar
- Satara (Panchgani) Jat

"Social Transformation Through Dynamic Education"



BHARATI VIDYAPEETH (Deemed to be University), Pune, India

YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE & COMMERCE

Erandwane, Pune- 411 038

Accredited with 'A+' Grade (2017) by NAAC 'A' Grade University Status by MHRD, Govt. of India Accredited (2004) & Reaccredited (2011) with 'A' Grade by NAAC

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(Established in 1978)

Professor Dr. Vivekanand A. Rankhambe

M. A., M. Phil., Ph. D., Diploma in Kirtan

INCHARGE PRINCIPAL Yashwantrao Mohite College, Pune

PROSPECTUS-CUM-HANDBOOK

2021 - 2022

SENIOR COLLEGE

(Under Graduate & Post Graduate Courses)

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY), PUNE, INDIA YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE & COMMERCE

Erandwane, Pune- 411 038

VISION, MISSION & OBJECTIVES / GOALS OF THE COLLEGE

Vision:

• 'To be a World Class University for Social Transformation through Dynamic Education'

Mission:

- To provide inclusive borderless access to higher education and vocational education based on merit;
- To offer varied professional, technical, vocational and general education programmes to meet the changing and diverse needs of society in a global context;
- To provide quality higher education for liberation of mind and empowerment of hands;
- To promote quality research in diverse areas of development and engage in application of knowledge for community development;
- To develop national and international networks with industry, service sector and other academic and research institutions to meet the expectations of various stakeholders;
- To promote extensive use of ICT for enrichment of teaching, learning and for effective governance;
- To make quality an integral part of all University operations by promoting innovative practices.

Objectives / Goals :

- To inculcate a **Value System** among students related to non-violence, truth, and tolerance for religion, secularism, social justice, environmental awareness, scientific temper and like.
- To generate employment opportunities for the youth by fostering **Global Competencies** among them.
- To develop scientific attitude, technology orientation and practical skills among the students through the extensive **Use of Technology.**
- To contribute to **National Development** by creating social and economic equality through upliftment of the weaker section of the society.
- To promote **Quest for Excellence** by creating just challenges before the young talent.

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1: INTRODUCTION

BHARATI VIDYAPEETH

Bharati Vidyapeeth, the parent body of **Bharati Vidyapeeth (Deemed to be University)** was established on 10th May, 1964 by **Dr. Patangrao Kadam** with the objective of bringing about intellectual awakening and allround development of the people of our country through education.

Bharati Vidyapeeth is now a leading educational institution in the country, which has created a history by establishing within a short span of 53 years or so 180 educational institutions imparting education from the pre-primary stage to post graduate stage. Our colleges and institutions of higher education impart education in different disciplines including Medicine, Dentistry, Ayurved, Homoeopathy, Nursing, Arts, Science, Commerce, Engineering, Pharmacy, Management, Social Sciences, Law, Environmental Science, Architecture, Hotel Management and Catering Technology, Physical Education, Computer Science, Library Science, Information Technology, Biotechnology & Agriculture, Performing Arts etc.

These educational institutions which have achieved an acclaimed academic excellence cater to the educational needs of thousands of students coming from different parts of India and also abroad. Our teaching faculty includes highly qualified, experienced, dedicated and student-caring teachers. These educational institutions are located at various places viz. Pune, Navi Mumbai, Kolhapur, Solapur, Sangli, Karad, Panchgani, Jawhar and New Delhi. The spectacular success achieved by Vidyapeeth is mainly a creation of unusual foresight, exceptionally dynamic leadership and able guidance of the founder of Vidyapeeth, **Dr. Patangrao Kadam.** It has been our constant endeavour to impart high quality education and training to our students and therefore it is no wonder that our institutions have become nationally known for their academic excellence. In recognition of the academic merit achieved by its institutions and potential for development which they have, the Department of Human Resource Development, Government of India and the University Grants Commission of India have accorded the status of a deemed to be university to Bharati Vidyapeeth with its twenty nine constituent units.

Besides these 180 educational institutions, Bharati Vidyapeeth has also been successfully running a Co-operative Bank, Co-operative Consumer Stores, Co-operative Poultry, Co-operative Sugar Factory, Co-operative Spinning Mill, Charitable Hospitals and Medical Research Centre and the like.

1.2 : BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY), PUNE, INDIA

Accredited (3rd cycle) with 'A+' Grade by NAAC 'A' Grade University Status by MHRD, Govt. of India Accredited (2004)& Reaccredited (2011)with 'A' Grade by NAAC

Bharati Vidyapeeth (Deemed to be University) came into existence in April, 1996, when the Ministry of Human Resource Development, Government of India, in exercise of the powers under section 3 of the University Grants Commission Act conferred the status of University to 12 institutions of Bharati Vidyapeeth on the advice of the University Grants Commission, the apex body concerned with higher education in India which made assessment of the academic excellence achieved by the institutions through a committee of experts. Subsequent to that, the Government of India, vide its various notifications brought several other institutions of Bharati Vidyapeeth under the ambit of this University. As on today the University is having 29 constituent units conducting study programmes in different disciplines, including Modern Medicine, Dentistry, Ayurved, Homoeopathy, Nursing, Arts, Science, Commerce, Engineering, Pharmacy, Management, Social Sciences, Law, Environment Science, Architecture, Hotel Management Tourism and Catering Technology, Physical Education, Computer Science, Library Science and Information Technology etc.

Bharati Vidyapeeth, the parent body of Bharati Vidyapeeth University was established in May, 1964 by Dr. Patangrao Kadam with the objective of bringing about intellectual awakening and all round development of people of our country through education. Bharati Vidyapeeth is now a leading educational institution in the country, which has created history by establishing within a span of 50 years, 180 educational institutions imparting education from the pre-primary to the post graduate stage.

These educational institutions which have achieved an acclaimed academic excellence cater to the educational needs of thousands of students coming from different parts of India and abroad. Our teaching faculty includes highly qualified, experienced, dedicated and student-caring teachers. These educational institutions are located at various places viz. Pune, Navi Mumbai, Kolhapur, Solapur, Sangli, Karad, Panchagani, Jawhar and New Delhi. The spectacular success achieved by Vidyapeeth is mainly the result of unusual foresight, exceptionally dynamic leadership and able guidance of the founder of Vidyapeeth, Dr. Patangrao Kadam. It has been our constant endeavour to impart high quality education and training to our students and we have achieved success in these pursuits so that our institutions have earned reputation and high acclaim for their high academic standard.

The University was accredited by the National Assessment and Accreditation Council (NAAC) with the prestigious 'A' grade in 2004. Once again the university is reaccredited with 'A' grade in 2011. In March 2017, under the third cycle of assessment, the university is accredited with 'A+' grade by NAAC. The Minstry of HRD Govt. of India has awarded 'A' Grade status to the University. Besides, the Institute of Management and Research, New Delhi, Poona College of Pharmacy, Pune and College of Engineering, Pune have received accreditation for their various courses by the National Board of Accreditation.

One of the distinctive features of this University is that it has three self-financing research institutes, which are involved in sophisticated researches in health related sciences, pharmaceutical sciences and social sciences.

The University has established its academic reputation so much that it is being preferred for admission by the students not only from India, but from abroad. At present there are about 734 overseas students coming from 45 countries.

It had been a long standing dream of our founder to get the status of a University to Bharati Vidyapeeth. That dream was realised when the Ministry of Human Resource Development (Department of Education, Government of India) on the recommendations of the University Grants Commission, New Delhi through their notification No. F.9-15/95-U.3 dated 26th April, 1996 declared a cluster of institutions of Bharati Vidyapeeth at Pune as Deemed to be University.

Present Constituent Colleges of the University

- 1. Medical College, Pune
- 2. Dental College & Hospital, Pune
- 3. College of Ayurved, Pune
- 4. Homoeopathic Medical College, Pune
- 5. College of Nursing, Pune
- 6. Yashwantrao Mohite College of Arts, Science and Commerce, Pune
- 7. New Law College, Pune
- 8. Social Sciences Centre (M.S.W.), Pune
- 9. Yashwantrao Chavan Institute of Social Science Studies & Research, Pune
- 10. Research and Development Centre in Pharmaceutical Sciences & Applied Chemistry, Pune
- 11. College of Physical Education, Pune
- 12. Institute of Environment Education & Research, Pune
- 13. College of Engineering, Pune
- 14. Poona College of Pharmacy, Pune
- 15. Institute of Management & Entrepreneurship Development, Pune.
- 16. Rajiv Gandhi Institute of Information Technology & Bio-Technology, Pune

- 17. Interactive Research School for Health Affairs, Pune.
- 18. Medical College & Hospital, Sangli.
- 19. Dental College & Hospital, Navi Mumbai.
- 20. Institute of Management & Research, New Delhi;
- 21. College of Architecture, Pune;
- 22. Institute of Hotel Management & Catering Technology, Pune;
- 23. Yashwantrao Mohite Institute of Management, Karad;
- 24. Institute of Management, Kolhapur;
- 25. Institute of Management & Rural Development Administration, Sangli.
- 26. Abhijit Kadam Institute of Management and Social Sciences, Solapur.
- 27. Dental College & Hospital, Sangli
- 28. College of Nursing, Sangli
- 29. College of Nursing, Navi Mumbai.

Thus, there are 29 institutions which are the constituent units of Bharati Vidyapeeh Deemed University.

As is widely known, the Central Govt. had constituted a high power Task Force consisting of very eminent and experienced academicians to evaluate the academic performance of deemed universities in the country. The Task Force appreciated the report submitted by the University and also the presentation made by Prof. Dr. Shivajirao Kadam Vice Chancellor. The Task Force noted the University's excellent performance with regard to teaching-learning process, research, scientific publications by faculty and their impact and potential, innovative academic programmes, enriched infrastructure and recommended to the Ministry of Human Resources Development, Govt. of India to award 'A' Grade status. The Central Government has accepted the recommendation of the Task Force and awarded 'A' Grade status to this University.

Ours is the only University established under section 3 of the U.G.C. Act having under its umbrella institutions of diverse disciplines of professional, technical and traditional categories such as Medicine, Dentistry, Physical Education, Natural and Physical Sciences, Social Sciences, Commerce, Law and Humanities, Pharmaceutical Sciences, Management Studies, Engineering and Technology. The UGC has recognised this University u/s 12 'B' of UGC Act.

This University is a Member of Association of Indian Universities and also a member of Association of Commonwealth Universities.

1.3 : YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE & COMMERCE, PUNE

Bharati Vidyapeeth, the parent institution has created a landmark in the history of higher education by establishing three institutes in June 1978 and Yashwantrao Mohite College is first of them. At present, the college is one of the constituent units of Bharati Vidyapeeth Deemed University. We have pleasure to introduce ourselves as one of the very few colleges in India which has been accredited in 2004 and re- accredited in 2011 with 'A' grade and accredited (3rd cycle) with 'A+' grade in 2017 by the National Assessment and Accreditation Council, Bangalore.

The college offers under graduate and post graduate programmes in various disciplines of Arts, Science, Commerce and Computer Science leading to B.A., B.Lib & I.Sc., B.Sc., B.Sc. (Computer Science), B.Com., M.A. (English), M.A. (Economics), M.Lib & I.Sc, M.Sc. (Physics), M.Sc. (Analytical Chemistry), M.Sc. (Organic Chemistry), M.Sc. (Microbiology), M.Sc. (Computer Science) and M.Com. degrees. The college is recognised Research Centre for Ph.D. degrees in English, Economics, Physics, Chemistry, Botany, Microbiology, Computer Science and Commerce.

The special feature of the college is that along with degree courses, the College also conducts two diploma programmes: (1) Diploma in Banking and (2) Diploma in Marketing, which have proved of great help to the students for their placements.

The college promotes national integration by admitting the students from 29 states and has attained international status by accommodating the students from 24 countries. The welfare of the students is always the prime concern of the college. Several activities are organized to support and enhance the capabilities of the students. Publication of the annual number Yashobharati, arranging Cultural Festival 'Sanskriti' and conducting National Level General Knowledge Test, as well as organization of National / International Seminars and workshops every year are some of the features of the college.

The college is honoured with 'Best NSS UNIT Award' and the Porgramme Officer received 'Best NSS Programme Officer Award' as well as 5 students with 'Best NSS Volunteer Award' by Government of Maharashtra. The sports department of the college has created landmarks in the history. Sixteen of our students are felicitated with the highest honour in the field of sports offered by the state government i. e. 'Shiv Chhatrapati Sports Award' and the college has contributed to several National teams by participation of the students.

The college also provides the hostel facilities to both **boys and girls** students. The facilities like state-of-art laboratories, excellent library, health care centre, seminar hall, English language laboratory, Commerce laboratory, indoor and outdoor game facilities and gymnasium are provided to the students.

2 : ADMISSION TO THE COLLEGE (UG)

- A student seeking admission to the college in the first year of the B.A./B.Lib & I.Sc/B.Com./B.Sc./B.Sc. (Computer Sc.) course will have to apply to the college in the prescribed form immediately after the declaration of H.S.C. examination result.
- 2) Students who were in the college during the previous year will have to apply for admission to the college within six days from the declaration of the results of the university examination.
- 3) Applications received after the prescribed date for admission will not be considered.
- 4) International students seeking admission to the college will have to apply in the prescribed form alongwith the provisional Eligibility Certificate issued by the Registrar, Bharati Vidyapeeth Deemed University, Pune and NO OBJECTION CERTIFICATE from the Central Government alongwith visa & pass port.
- 5) Students from other universities in India seeking admission to the college will have to apply in the prescribed form. They will have to apply for Eligibility Certificate to the Registrar, Bharati Vidyapeeth Deemed University in the prescribed form. They will have to submit the following documents alongwith the application for Eligibility Certificate.
 - a) Migration Certificate
 - b) Passing Certificate
 - c) Attendance Certificate
 - d) Transfer Certificate
 - e) Statement of Marks of previous examination
 - f) Character Certificate
 - g) Medical and H.I.V. Test (for international students)
- 6) Admission will be provisional till the student produces final eligibility certificate from Bharati Vidyapeeth Deemed University.
- 7) Please retain a set of xerox copies you are submitting to college.

2.1 : ELIGIBILITY FOR ADMISSION TO FIRST YEAR B.A. / B.Com. / B.Sc. / B.Sc. (Computer Science)

1. Eligibility for admission to B.A. degree programme:

A candidate who has passed the Higher Secondary School Certificate Examination of the Maharashtra State Board or an equivalent examination of any other statutory Board or University with English as a passing subject will be admitted to the first year of this course.

2. Eligibility for admission to B.Lib. & I.Sc. Course:

Any graduate of this University or any other recognized University shall be admitted to B.Lib & I.Sc. Course.

3. Eligibility for admission to B.Com. degree programme:

A candidate who has passed the Higher Secondary School Certificate Examination in Commerce or Science of the Maharashtra State Secondary and Higher Secondary Board or an equivalent of any other Statutory Board or University with English as a passing subject will be admitted to the first year of this course.

4. Eligibility for admission to B.Sc. degree programme:

- Higher Secondary School Certificate Examination (10+2) of the Maharashtra State Board or its equivalent examination of any other statutory Board/University with English and with any three Science subjects such as (i) Physics (ii) Chemistry (iii) Biology (iv) Mathematics (v) Geography (vi) Geology etc
- Higher Secondary School Certificate Examination (10+2) with English and with any one of the following vocational subjects in technical group of +2 levels.
- Diploma in Pharmacy, Diploma in Engineering (polytechnic) or its equivalent examination recognized by MBTE, Mumbai or its equivalent of any other statutory Board or University.

Subject code	Subject		
79	Auto Electrical		
A1	Electrical Maintenance		
A2	Mechanical Maintenance		
A4	General Civil Engg.		
C2	Electronics		
C3	Chemical Plant Operation		
C5	Elementary Laboratory Technology		

Subject code	Subject
D9	Computer Science
J1/J2/J3	Electronics Technology
J4/J5/J6	Maintenance & Repairs of Electrical Domestic Appliances
K1/K2/K3	Auto Engg. Technician
P1/P2/P3	Medical Lab. Technician
P4/P5/P6	X-ray Technician
P7/P8/P9	Ophthalmic Technician
T1/T2/T3	Repair, Maintenance & Rewinding of Electrical Motors.

5. Eligibility for admission to B.Sc. Computer Science degree programme:

- A candidate who has passed the Higher Secondary School Certificate Examination of the Maharashtra State Board or Higher Secondary Examination of its equivalent of any other statutory Board or University and has passed in English and in two Science subjects (i) Physics (ii) Mathematics shall be eligible for admission to the First year B.Sc. (Computer Science) Degree course.
- Candidate who has passed H.S.C. examination (10+2) with English and any one of the following vocational subjects is also eligible for admission to the F.Y.B.Sc. (Computer Science) course.

Subject code	Subject			
97	97 Information Technology			
D9	Computer Science			
C2	Electronics			
J1/J2/J3 Electronics Technology				

Also student who has completed Diploma course in Engineering (Polytechnic) Computer Science, Electronics and Information Technology or its equivalent examination recognized by MBTE, Mumbai or its equivalent of any other statutory Board or University.

3 : COURSE STRUCTURE (UG PROGRAMME) (CBCS 2018 COURSE)

(To be implemented from June 2018)

3.1 : Bachelor of Arts (B.A.)

Course Structure and scheme of credits of B.A. Course

The B.A. programme will be of three years duration consisting of six semesters and of minimum 150 Credits: Semester I (24 Credits), Semester II (26 Credits), Semester III (26 Credits), and Semester IV (24 Credits) Semester V (26 Credits), and Semester VI (24 Credits). In all six Semesters, there will be six theory courses (Core and Elective Courses) of 04 credits each and one theory course (Ability Enhancement course OR Skill Enhancement course) in Semester II, Semester III and Semester V of 02 credits each. All 36 Core and Elective Courses papers will have 100 marks each out of which 40 marks will be for Internal Assessment and 60 marks for University Examination. The Ability Enhancement courses OR Skill Enhancement Courses will have 50 marks each out of which 20 marks will be for Internal Assessment and 30 marks for University Examination. Thus B.A. degree examination, six Semesters shall be of 3700 marks and of 150 credits altogether. The following shall be the course structure:

F.Y.B.A.: (Semester I & II)

A student joining the First year B.A. course shall offer six subjects mentioned below. He/she is advised to select the subjects of First Semester very carefully because he/she has to select subjects for the following semesters from the subjects offered at First Semester.

- 1) Subject in Core course is compulsory.
- 2) A student has to offer five subjects from Elective Courses given above.

	F.Y.B.A. Semester I			Y.B.A. S	emester II
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
Core Course	A101	1. Compulsory English – I	Core Course	A201	1. Compulsory English – II
	Any Fiv	re from the following:		Any Fiv	ve from the following:
	A111	1. English (G1) – I		A211	1. English (G1) – II
	A121	2. Economics (G1) – I		A221	2. Economics (G1) – II
Elective Courses	A131	3. Marathi (G1) – I	Elective Courses	A231	3. Marathi (G1) – II
	A141	4. Geography (G1) – I		A241	4. Geography (G1) – II
	A151	5. Political Science (G1) – I		A251	5. Political Science (G1) – II
	A161	6. Sociology (G1) – I		A261	6. Sociology (G1) – II
			Skill Enhancement Course	SEC21	Basics of Information Technology

S.Y.B.A.

A student studying at Semester III & IV for the B.A. Degree shall study the subject as given below:

- 1) Compulsory English from Core courses.
- He/she has to select one group as a special subject from the given Core courses groups and which is included in the subjects offered at the First Semester. There will be three papers of special subject.

 He/she has to select two general subjects i.e. First paper in each Special Group and which is not included in Core courses and from the subjects offered at the First Semester.

ENVIRONMENT STUDIES

As per the order of Honourable Supreme Court of India, this course is compulsory for every undergraduate student. The college is implementing this module course in Environment Studies in the second year of all degree courses. There will be 02 lectures per week for this course. The examination will be conducted at the end of Semester IV and will carry 50 marks. These marks will be converted into the grades accordingly. These grades will be mentioned in the degree Grade Sheet. It is mandatory for every student to pass this course. If any student fails in this course, the result of his/her degree course will be withheld by the university.

	S.Y.B.A. Semester III			Y.B.A. S	emester IV
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
Core Courses	A301	1. Compulsory English – I	Core Course	A401	1. Compulsory English – II
	Any	one group from the following	Elective Courses	Any	one group from the following
	A) Sp	ecial Level: English		A) Sp	ecial Level: English
	A311	1. English (G2) – I		A411	1. English (G2) – II
	A312	2. English (S1) – I		A412	2. English (S1) – II
	A313	3. English (S2) – I		A413	3. English (S2) – II
	B) Spec	cial Level: Economics		B) Spe	cial Level: Economics
	A321	1. Economics (G2) – I		A421	1. Economics (G2) – II
	A322	2. Economics (S1) – I		A422	2. Economics (S1) – II
	A323	3. Economics (S2) – I		A423	3. Economics (S2) – II
	C) Sp	ecial Level: Marathi		C) Sp	ecial Level: Marathi
	A331	1. Marathi (G2) – I		A431	1. Marathi (G2) – II
	A332	2. Marathi (S1) – I		A432	2. Marathi (S1) – I
	A333	3. Marathi (S2) – I		A433	3. Marathi (S2) – II

	D) Special Level: Geography			D) Special Level: Geography		
	A341	1. Geography (G2) – I		A441	1. Geography (G2) – II	
	A342	2. Geography (S1) – I		A442	2. Geography (S1) – II	
	A343	3. Geography (S2) – I		A443	3. Geography (S2) – II	
Coro	B) :	Special Level: Pollitical Science	Coro	E)	Special Level: Pollitical Science	
Courses	A351	1. Pollitical Science (G2) – I	Courses	A451	1. Pollitical Science (G2) – I	
	A352	2. Pollitical Science (S1) – I		A452	2. Pollitical Science (S1) – II	
	A353	3. Pollitical Science (S2) – I		A453	3. Pollitical Science (S2) – II	
	F) S	pecial Level: Sociology		F) :	Special Level: Sociology	
	A361	1. Sociology (G2) – I		A461	1. Sociology (G2) – II	
	A362	2. Sociology (S1) – I		A462	2. Sociology (S1) – II	
	A363	3. Sociology (S2) – I		A463	3. Sociology (S2) – II	
Skill Enhanc ement Course	SEC31	Communication Skill in English				

T.Y.B.A.

A student studying at Semester V & VI for the Third Year B.A. Degree shall study the subjects as given below.

- 1) Compulsory English.
- 2) Five papers of the group selected as special subject.

	T.Y.B.A. Semester V			T.Y.B.A.	Semester VI
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
	A501	1. Compulsory English – I		A601	1. Compulsory English – II
	One group from the following which is concurrent with Semester III & IV:			One group from the following which is concurrent with Semester III & IV:	
	A) Speci	al Level: English		A) Specia	al Level: English
	A511	1. English (S3) – I		A611	1. English (S3) – II
	A512	2. English (S4) – I		A612	2. English (S4) – II
	A513	3. English (S5) – I		A613	3. English (S5) – II
	A514	4. English (S6) – I		A614	4. English (S6) – II
	A515	5. English (S7) – I		A615	5. English (S7) – II
Coro	B) Special Level: Economics		Coro	B) Special Level: Economics	
Courses	A521	1. Economics (S3) – I	Courses	A621	1. Economics (S3) – II
	A522	2. Economics (S4) – I		A622	2. Economics (S4) – II
	A523	3. Economics (S5) – I		A623	3. Economics (S5) – II
	A524	4. Economics (S6) – I		A624	4. Economics (S6) – II
	A525	5. Economics (S7) – I		A625	5. Economics (S7) – II
	C) Spec	ial Level: Marathi		C) Speci	al Level: Marathi
	A531	1. Marathi (S3) – I		A631	1. Marathi (S3) – II
	A532	2. Marathi (S4) – I]	A632	2. Marathi (S4) – II
	A533	3. Marathi (S5) – I	1	A633	3. Marathi (S5) – II
	A534	4. Marathi (S6) – I		A634	4. Marathi (S6) – II
	A535	5. Marathi (S7) – I		A635	5. Marathi (S7) – II

	T.Y.B.A. Semester V				A. Semester VI
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
	D) Spec	ial Level: Geography		D) Spee	cial Level: Geography
	A541	1. Geography (S3) – I]	A641	1. Geography (S3) – II
	A542	2. Geography (S4) – I		A642	2. Geography (S4) – II
	A543	3. Geography (S5) – I		A643	3. Geography (S5) – II
	A544	4. Geography (S6) – I]	A644	4. Geography (S6) – II
	A545	5. Geography (S7) – I]	A645	5. Geography (S7) – II
	E) Spec Science	ial Level: Political		E) Spec	cial Level: Political e
	A551	1. Political Science (S3) – I	Core Courses	A651	1. Political Science (S3) – II
Core	A552	2. Political Science (S4) – I		A652	2. Political Science (S4) – II
Courses	A553	3. Political Science (S5) – I		A653	3. Political Science (S5) – II
	A554	4. Political Science (S6) – I		A654	4. Political Science (S6) – II
	A555	5. Political Science (S7) – I		A655	5. Political Science (S7) – II
	F) Spec	ial Level: Sociology		F) Spec	ial Level: Sociology
	A561	1. Sociology (S3) – I		A661	1. Sociology (S3) – II
	A562	2. Sociology (S4) – I		A662	2. Sociology (S4) – II
	A563	3. Sociology (S5) – I		A663	3. Sociology (S5) – II
	A564	4. Sociology (S6) – I	1	A664	4. Sociology (S6) – II
	A565	5. Sociology (S7) – I	1	A665	5. Sociology (S7) – II
Ability	This particle the stud	per is compulsory for all lents:			
ent course	AEC 51	Soft Skills			

3.2 Bachelor of Library & Information Science (B.Lib & I.Sc.)

Eligibility for admission to B.Lib. & I.Sc. Course

Any graduate of this University or any other recognized University shall be admitted to B.Lib & I.Sc. Course.

Course Structure of B.Lib & I.Sc. Course

The B.Lib & I.Sc. programme will be of one year duration consisting of two semesters and of minimum 40 Credits: Semester I (20 Credits) and Semester II (20 Credits). In first Semester, there will be four theory papers of 04 credits each and two theory paper of 2 credit. In Second Semester, there will be three theory papers of 04 credits, three practical paers of 2 credits and one cliping project / viva voce of 2 credits. All 13 papers will have 100 marks each out of which 40 marks will be for Internal Assessment and 60 marks for University Examination. Thus B.Lib & I.Sc. degree examination, two Semesters shall be of minimum 1250 marks and of minimum 40 credits alltogather. The following shall be the course structure:

B.Lib & I.Sc. Semester – I

B.Lib & I.Sc. Semester – II

Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
	BL 11	Foundation of Library & Information Science		BL 21	Information Services & System
Core:	BL 12	Document Description: Cataloguing Theory		BL 22	Knowledge Organization Information Processsing Classification Theory
Compulsory	BL 13	Information Sources & Reference Services		BL 23	Information Technology Basic Theory
	BL 14	Management of Libraries & Information Centers		BL 24	Information Technology Practical
	Any o	Any one from the following:		BL 25	Knowledge Organization Information Processing Classification Practical
Core: Elective	BL 15	Library System	pulsory	BL 26	Information Retrieval: Library Cataloguing Practical
	BL 16	Public Libraries		BL 27	Information Sources & references Services : News Paper Cliping Project
Skill Enhance ment Course	BL 17	Soft Skills			

* For paper BL 27 Information Sources & Reference Services : News Paper Cliping Project internal evaluation is to be done by evaluation of the plan of the project submitted by the student. A student has to submit project plan with in a month from the begining of Semester II

3.3 : Bachelor of Science (B.Sc.)

F.Y.B.Sc.(Sem. I and II)

CORE SELECTIVE GROUPS

(SELECT ANY ONE GROUP FROM THE FOLLOWING)

Group I :- Physics, Chemistry, Mathematics and Statistics (PCMS)

Group II :- Physics, Mathematics, Statistics and Computer Application (PMSCA)

Group III :- Physics, Chemistry, Botany and Zoology (PCBZ)

Group IV :- Chemistry, Botany, Zoology and Microbiology (CBZM)

F.Y.B.Sc. Semester I			F.Y.B.Sc. Semester II		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
		Physics			Physics
Core Course	P – 11	Mechanics & Properties of Matter	Core Course	P – 21	Kinetic Theory & Thermodynamics
	P – 12	Modern Physics		P -22	Electricity & Magnetism
	P – 13	Practical course – I		P – 23	Practical course - II
		Chemistry			Chemistry
Core Course	C-11	Physical and Inorganic Chemistry – I	Core Course	C-21	Physical and Inorganic Chemistry – II
	C-12	Organic and Inorganic Chemistry – I		C-22	Organic and Inorganic Chemistry - II
	C -13	Practical course – I		C – 23	Practical Course-II

		Botany			Botany
Core	B –11	Plant diversity and utilization of plants – I	Core	B –21	Plant diversity and utilization of plants – II
Course	B –12	Cell biology	Course	B –22	Industrial Botany-I
	B – 13	Practical course - I		B – 23	Practical course – II
		Zoology			Zoology
Core	Z – 11	Animal systematics and Functional Anatomy of Non-chordates-I	Core	Z – 21	Functional Anatomy of Chordates-I
Course	Z –12	Cell Biology and Genetics	Course	Z – 22	Applied zoology (Vermiculture and Sericulture)
	Z- 13	Practical course - I		Z- 23	Practical course – II
		Microbiology	Core Course		Microbiology
Core	MB-11	Introduction to Microbiology		MB-21	Microbial Nutrition, Growth and Control
Course	MB-12	Structure of Prokaryotes and Eukaryotes		MB-22	The Diversity of Microbial World
	MB-13	Practical course - I		MB- 23	Practical course – II
		Mathematics	Core		Mathematics
Core	M-11	Algebra		M-21	Analytical Geometry
Course	M-12	Calculus	Course	M-22	Integral Calculus and Differential Equations
	M – 13	Practical course - I		M – 23	Practical course – II
		Statistics			Statistics
Core Course	S-11	Descriptive Statistics - I	Core	S-21	Descriptive Statistics-II
	S-12	Discrete Probability and Probability Distributions -	Core Course	S-22	Discrete Probability and Probability Distributions
		1			II

		Geography			Geography
Core	G -11	Physical Geography - I	Core	G -21	Physical Geography – II
Course	G – 12	Climatology - I	Course	G – 22	Oceanography
	G- 13	Practical course - I		G- 23	Practical course – II
		Computer Application			Computer Application
Core	CA-11	Computer Fundamentals	Core Course	CA-21	Operating Environment
Course	CA-12	Programming in C -I		CA-22	Programming in C -II
	CA- 13	Practical course - I		CA- 23	Practical course – II
			Core	This co all the s	urse is compulsory for students.
			Course	UG- SEC- 21	Renewable Energy And Energy Harvesting

S.Y.B.SC. (SEM. III AND IV)

CORE SELECTIVE GROUPS

(SELECT ANY ONE GROUP FROM THE FOLLOWING)

Group I :- Physics, Chemistry and Mathematics (PCM)

Group II :- Physics, Chemistry and Botany (PCB)

Group V :- Chemistry, Botany and Zoology (CBZ)

Group VI :- Chemistry, Botany and Microbiology (CBM)

Group VII :- Chemistry, Zoology and Microbiology (CZM)

ENVIRONMENT STUDIES

As per the order of Honourable Supreme Court of India, this course is compulsory for every undergraduate student. The college is implementing this module course in Environment Studies in the second year of all degree courses. There will be 02 lectures per week for this course. The examination will be conducted at the end of Semester IV and will carry 50 marks. These marks will be converted into the grades accordingly. These grades will be mentioned in the degree Grade Sheet. It is mandatory for every student to pass this course. If any student fails in this course, the result of his/her degree course will be withheld by the university.

Semester IV

(From the Academic Year 2019-20)

Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
		Physics			Physics
Core:	P – 31	Mathematical Methods for Physics	Core:	P – 41	Waves & Osciflations
Course	P – 32	Optice	Course	P – 42	Electronices
	P – 33	Practical Course - III		P – 43	Practical Course - III
		Chemistry			Chemistry
Core:	C – 31	Physical and Analytical Chemistry - I	Core:	C – 41	Physical and Analytical Chemistry - II
Course	C – 32	Organic and Inorganic Chemistry - III	Course	C – 42	Organic and Inorganic Chemistry - IV
	C – 33	Practical Course - III		C – 43	Practical Course - IV
		Botany	Core: Course		Botany
Core :	B - 31	Plant anatomy & Embryology		B – 41	Plant Biotechonlogy
Course	B – 32	Angiosperm Taxonomy		B – 42	Plant Physiology
	B – 33	Practical Course - III		B – 43	Practical Course - IV
		Zoology			Zoology
Core:	Z – 31	Functional Anatomy of Non-chordates - II and Biodiversity	Core:	Z – 41	Functional Anatomy of chordates - II
Course	Z – 32	Histology of Mammals	Course	Z – 42	Physiology of Mammals
	Z – 33	Practical Course - III		Z – 43	Practical Course - IV

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		Microbiology	Core:		Microbiology		
Core: Course	MB – 31	Microbial Metabolism		MB – 41	Principles of Disease, Epidemiology and Immunology		
	MB – 32	Bacterial Genetics	000100	MB – 42	Applied Microbiology		
	MB – 33	Practical Course - III		MB – 43	Practical Course - IV		
		Mathematics			Mathematics		
Core:	M – 31	Calculus of Several Variables	Core:	M – 41	Vector Calculus		
Course	M – 32	Group Theory and Differential Equations	Course	M – 42	Complex variables		
	M – 33	Practical Course - III		M – 43	Practical Course - IV		
		Statistics			Statistics		
Core [.]	S – 31	Probability Distributions And Statistical Inference - I	Core: Course	S – 41	Probability Distributions And Statistical inference - II		
Course	S – 32	Probability Distributions And Statistical Methods - I		S – 42	Probability Distributions And Statistical Methods - II		
	S – 33	Practical Course - III		S – 43	Practical Course - IV		
	Any of the	following		Any of the	following		
Electiv	Any of the	ionowing.	Electiv	Any of the	Tonowing.		
e	ENG – 31	English - I	e	ENG – 41	English - II		
Course	MAR – 32	Marathi - I	Course	MAR – 42	Marathi - II		
SEC*	This cours	e is compulsory for all nts.					
	0G – SEC 31	Medical Dignostics					

T.Y.B.Sc. (Sem. V and VI)

The student should select any one subject from the core group which he / she has opted at S.Y.B.Sc. (Semester III and IV) as Principle subject.

T.Y.B.Sc. Semester V		T.Y.B.Sc. Semester VI			
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
		Physics			Physics
	P-51	Mathematical Methods in Physics		P-61	Classical Electrodynamics
	P-52	Quantum Mechanics		P-62	Atomic and Molecular Physics
Core Courses	P-53	Solid State Physics	Core	P-63	Nuclear Physics
	P-54	Advanced Electronics	Courses	P-64	Computational Physics
	P-55	Classical Mechanics		P-65	Thermodynamics & Statistical Physics
	P-56	Practical Course – V		P-66	Practical Course – VIII
	P-57	Practical Course – VI		P-67	Practical Course – IX
	P-58	Practical Course - VII		P-68	Practical Course - X
	Any one of the following.			Any one of the following.	
Elective	P-59A	Elements of Materials Science	Elective	P69A	Renewable Energy sources
Course	P-59B	Medical Electronics	Course	P-69B	Physics of Nano Materials
	P-59C	Digital Electronics I		P-69C	Digital Electronics II

C-51 C-52 C-53	Title of the paperChemistryPhysical Chemistry –I	Subject Type	Code	Title of the paper
C-51 C-52 C-53	Chemistry Physical Chemistry –I			
C-51 C-52 C-53	Physical Chemistry –I	_		Chemistry
C-52 C-53			C-61	Physical Chemistry-II
C-53	Inorganic Chemistry –		C-62	Inorganic Chemistry-II
	Organic Chemistry – I	Cara	C-63	Organic Chemistry-II
C-54	Analytical Chemistry –		C-64	Analytical Chemistry-II
C-55	Industrial Chemistry - I		C-65	Industrial Chemistry-II
C-56	Practical Course – V		C-66	Practical Course – VIII
C-57	Practical Course – VI		C-67	Practical Course – IX
C-58	Practical Course - VII		C-68	Practical Course - X
Any on	e of the following.		Any one	of the following.
C – 59A	Environment Chemistry-I	Flective	C – 69A	Environment Chemistry-II
C – 59B	Nuclear Chemistry-I	Course	C – 69B	Nuclear Chemistry-II
C – 59C	Polymer Chemistry-I		C – 69C	Polymer Chemistry-II
T.Y.B.S	c. Semester V		T.Y.B.Sc	. Semester VI
	Botany			Botany
B –51	Biology of lower cryptogams(Algae & Fungi)		B –61	Biology of higher cryptogams (Bryophytes & Pteridophytes)
B –52	Biology of seed plants (Angiosperms)		В –62	Biology of seed plants (Gymnosperms & Paleobotany)
B –53	Plant pathology and Plant protection	Core Courses	B –63	Environmental Botany
B –54	Genetics and Biostatistics		B –64	Palynology & Plant breeding
B –55	Molecular biology and Biochemistry		B –65	Industrial botany II
B-56	Practical Course – V		B-66	Practical Course – VIII
B -57	Practical Course – VI	-	B -67	Practical Course – IX
B - 58	Practical Course - VII		B - 68	Practical Course - X
Enhance	ement UG AEC – 5	1	Soft	Skills
	C-57 C-58 Any on C – 59A C – 59B C – 59C T.Y.B.So T.Y.B.So B –51 B –52 B –53 B –53 B –54 B –55 B –55 B -55 B -57 B -58 Enhance	C-57Practical Course - VIC-58Practical Course - VIIAny one of the following.C -Environment59AChemistry-IC -Nuclear Chemistry-IC -Polymer Chemistry-IC -Polymer Chemistry-IS9CBotanyB -51Biology of Iower cryptogams(Algae & Fungi)B -52Biology of seed plants (Angiosperms)B -53Plant pathology and BiostatisticsB -54Genetics and BiostatisticsB -55Molecular biology and BiochemistryB -56Practical Course - VIB -57Practical Course - VIB -58Practical Course - VI	C-57Practical Course – VIC-58Practical Course - VIIAny one of the following.C –Environment59AChemistry-IC –Nuclear Chemistry-IS9BNuclear Chemistry-IC –Polymer Chemistry-IS9SPolymer Chemistry-IT.Y.B.Sc. Semester VBotanyB –51Biology of Iower cryptogams(Algae & Fungi)B –52Biology of seed plants (Angiosperms)B –53Plant pathology and Plant protectionB –54Genetics and BiostatisticsB –55Molecular biology and BiochemistryB –56Practical Course – VIB –57Practical Course – VIB –58Practical Course – VI	C-57Practical Course – VIC-67C-58Practical Course - VIIC-67Any one of the following.C-68C –Environment Chemistry-IAny oneC –Environment Chemistry-IC – 69AC –Nuclear Chemistry-IElective CourseC – 69BC –Polymer Chemistry-IT.Y.B.ScBotanyT.Y.B.ScSemester VB –51Biology of lower cryptogams(Algae & Fungi)B –61B –52Biology of seed plants (Angiosperms)B –61B –53Plant pathology and Plant protectionCore CoursesB –63B –54Genetics and BiotatisticsB –63B –55Molecular biology and BiochemistryB –65B –57Practical Course – VIB –65B –58Practical Course – VIIB –68EnhancementUG AEC – 51Soft

T.Y.B.Sc. Semester V			T.Y.B.Sc. Semester VI				
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper		
	Any one	e of the following.		Any one	of the following.		
Elective	B– 59A	Aerobiology	Elective	B- 69A	Horticulture & Gardening		
Course	B – 59B	Medico Botany	Course	B – 69B	Phaemacognosy		
	B – 59C	Conservation of Medicinal Plants		B – 69C	Seed Technology		
		Zoology			Zoology		
	Z – 51	Developmental Biology]	Z – 61	General Embryology		
	Z – 52	Genetics and evolution	1	Z – 62	Toxicology		
	Z – 53	Applied Zoology- Apiculture and Inland fisheries		Z – 63	Biological Techniques		
Core Courses	Z – 54	Parasitology	Core Courses	Z – 64	Functional Anatomy of Chordates-III		
	Z – 55	Ecology and environmental pollution		Z – 65	Economic Entomology		
	Z-56	Practical Course – V		Z-66	Practical Course – VIII		
	Z -57	Practical Course – VI		Z -67	Practical Course – IX		
	Z - 58	Practical Course - VII		Z - 68	Practical Course - X		
	Any one	e of the following.		Any one	Any one of the following.		
Flective	Z– 59A	Biochemistry and Molecular Biology	Elective	Z- 69A	Biotechnology		
Course	Z – 59B	Comparative anatomy of Chordates and Micro- techniques	Course	Z – 69B	Biostatistics		
	Z – 59C	Evolution		Z – 69C	Biodiversity and wild Life		
		Microbiology			Microbiology		
	MB 51	Medical Microbiology		MB 61	Chemotherapy and Biomedical instrumentation		
	MB 52	Clinical Pathology	1	MB 62	Immunology		
	MB 53	Virology	1	MB 63	Biotechnology		
Core Courses	MB 54	Genetics of Prokaryotes	Core Courses	MB 64	Genetics of Eukaryotes and Gene Manipulation		
	MB 55	Enzyme Kinetics and Regulation		MB 65	Microbial Metabolism and Biochemical Evolution		
	MB -56	Practical Course – V]	MB -66	Practical Course – VIII		
	MB -57	Practical Course – VI	1	MB -67	Practical Course – IX		
	MB - 58	Practical Course - VII	1	MB - 68	Practical Course - X		

T.Y.B.Sc. Semester V			T.Y.B.Sc. Semester VI			
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper	
	Any on	e of the following.		Any one	of the following.	
Flective	MB- 59A	Food and diary Microbiology	Elective	MB-69A	Agricultural and Environmental Microbiology.	
Course	MB- 59B	Applied Microbiology-I	Course	MB-69B	Applied Microbiology-II	
	MB- 59C	Advanced Techniques in Microbiology-I		MB-69C	Advanced Techniques in Microbiology-II	
		Mathematics			Mathematics	
	M-51	Real Analysis- I	İ	M-61	Real Analysis- II	
	M-52	Abstract Algebra – I		M-62	Abstract Algebra – II	
	M-53	Discrete Mathematics	Core Courses	M-63	Discrete Mathematics –II	
Core	M-54	Differential Geometry-I		M-64	Differential Geometry-II	
Courses	M-55	Computer Programming and Applications –I		M-65	Computer Programming and Applications –II	
	M -56	Practical Course – V		M-66	Practical Course – VIII	
	M-57	Practical Course – VI		M-67	Practical Course – IX	
	M- 58	Practical Course - VII		M- 68	Practical Course - X	
	Any on	e of the following.		Any one of the following.		
	M- 59A	Mechanics(statics)	1	M- 69A	Operation Research-II	
Elective Course	M – 59B	Operation Research-I	Elective Course	M – 69B	Mechanics(Dynamics)	
	M – 59C	Special Functions-I		M – 69C	Special Functions-II	
		Statistics			Statistics	
	S-51	Distribution Theory - I	1	S-61	Distribution Theory - II	
	S-52	Statistical Inference - I]	S-62	Statistical Inference - II	
Core	S-53	Sampling Methods and Design of Experiments- I	Core	S-63	Sampling Methods and Design of Experiments- II	
Courses	S-54	Applied Statistics(A)-I	Courses	S-64	Applied Statistics(A)-II	
	S-55	Applied Statistics(B)-I	1	S-65	Applied Statistics(B)-II	
	S- 56	Practical Course – V	1	S- 66	Practical Course – VIII	
	S-57	Practical Course – VI	1	S-67	Practical Course – IX	
	S- 58	Practical Course - VII	1	S- 68	Practical Course - X	

T.Y.B.Sc. Semester V			T.Y.B.Sc. Semester VI				
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper		
	Any one	of the following.		Any one	of the following.		
Elective	S – 59A	Computer Programming. 'C' Programming (Turbo C)-I	Elective	S-69A	Computer Programming. 'C' Programming (Turbo C)-II		
Course	S – 59B	Principles of Computer Science-I	Course	S-69B	Principles of Computer Science-II		
	S – 59C	Statistical Ecology		S – 69C	Medical Statistics		
		Geography			Geography		
	G -51	World Regional Geography-I		G-61	World Regional Geography-II		
	G-52	Geography of India-I		G-62	Geography of India-II		
Core	G-53	Resources and environment-I	Core	G-63	Recourses and Environment-II		
Courses	G-54	Economic Geography-I	Courses	G-64	Economic Geography-II		
	G-55	Applied Geography-I		G-65	Applied Geography-II		
	G-56	Practical Course – V		G- 66	Practical Course – VIII		
	G-57	Practical Course – VI		G-67	Practical Course – IX		
	G- 58	Practical Course - VII		G- 68	Practical Course - X		
	Any one	of the following.		Any one	Any one of the following.		
Elective	G-59A	Geography of Water Resources-I	Elective Course	G -69A	Geography of Water Resources-II		
Course	G-59B	Geography of Soils-I		G-69B	Geography of Soils-II		
	G-59C	Population Geography-I		G-69C	Population Geography-II		
		Computer Application			Computer Application		
	CA -51	Operating System-I		CA -61	Operating System-II		
	CA -52	Visual basic. Net programming-l		CA -62	Visual basic. Net programming-II		
Coro	CA -53	Software Engineering -I	Coro	CA -63	Software Engineering-II		
Courses	CA -54	Database Management System-I	Courses	CA -64	Database Management System-II		
	CA -55	Data and File structure-I		CA -65	Data and File structure-II		
	CA- 56	Practical Course – V		CA- 66	Practical Course-VIII		
	CA-57	Practical Course – VI		CA-67	Practical Course-IX		
	CA- 58	Practical Course - VII		CA- 68	Practical Course-X		
	Any one	e of the following.		Any one	of the following.		
Flective	CA-59A	Computer Networks-I	Flective	CA-69A	Computer Networks-II		
Course	CA-59B	Internet Programming-I	Course	CA-69B	Internet Programming-II		
200100	CA-59C	Theoretical computer science-l		CA-69C	Theoretical computer science-II		

3.4 : Bachelor of Computer Science B.Sc. (Computer Science)

F.Y.B.Sc. (Computer Science):

F.Y.B.Sc. Semester I			F.Y.B.Sc. Semester II			
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper	
	CS -11	Introduction to RDBMS		CS -21	RDBMS using oracle	
	CS -12	Programming in C - I		CS -22	Programming in C - II.	
Core	CS -13	Mathematical Foundation of Computer Science	Core	CS -23	Graph Theory	
Course	CS -14	Algebra -I	Course	CS -24	Algebra-II	
	CS -15	Principles of Analog Electronics - I		CS -25	Principles of Analog Electronics - II	
	CS-16	Principles of Digital Electronics -I		CS -26	Principles of Digital Electronics -II	
	CS PI	Computer Science Practical - I	Core Practical	CS PIII	Computer Science Practical - III	
Core Practical	CS PII	Computer Science Practical - II		CS PIV	Computer Science Practical - IV	
	CS EI	Electronics Practical -I		CS EII	Electronics Practical -II	
	Any Tw	o from the following:		Any Two from the followin		
Elective	CS -17	Computer Oriented Statistical Techniques -I	Elective	CS -27	Computer Oriented Statistical Techniques - II	
Courses	CS-18	Compulsory English -I	Courses	CS-28	Compulsory English -II	
	CS-19	Elementary Algorithmics		CS-29	Operating Environment	
			This paper is compulsory for all the students:			
			Skill Enhance ment course	UGSEC -21	HTML Programming	

S.Y.B.Sc. (Computer Science):

Semester III

Semester IV

Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper	
	CS -31	Object Oriented Programming with C++		CS -41	Data Structures using C++	
	CS -32	Introduction to Net using C#		CS -42	ASP.Net	
Core	CS -33	Linear Algebra		CS -43	Computational Geometry	
Course	CS -34	Computer Oriented Numerical Methods		CS -44	Optimization Techiques	
	CS -35	Digital systems and Microprocessors	Core Course	CS -45	8051 Microcontroller	
	CS-36	Principles of Communication		CS -46	Analog Systems	
	CS PV	Computer Science Practical - V		CS PVII	Computer Science Practical - VII	
Core Practical	CS PVI	Computer Science Practical - VI		CS PVIII	Computer Science Practical - VIII	
	CS EIII	Electronics Practical -III		CS EIV	Electronics Practical -IV	
	Any On	e from the following:		Any One from the following		
Elective	CS - 37	Cloud Computing - I	Elective	CS - 47	Cloud Computing - II	
Courses	CS - 38	Data warehousing and data mining - I	Courses	CS - 48	Data warehousing and data mining - II	
Skill Enhance	This paper is compulsory for all the students:					
ment Course	UGSE C - 31	Programming in Python				

Environment Studies

As per the order of Honourable Supreme Court of India, this course is compulsory for every undergraduate student. The college is implementing this module course in Environment Studies in the second year of all degree courses. There will be 50 lectures for this course. The examination will be conducted at the end of Semester IV and will carry 50 marks. These marks will be converted into the grades accordingly. These grades will be mentioned in the degree marksheet. If any student fails in this course, the result of his/her degree course will be withheld by the university.

T.Y.B.Sc. (Computer Science):

T.Y.B.Sc.Comp.Sci. Semester V			T.Y.B.Sc.Comp.Sci. Semester VI			
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper	
	CS -51	System Programming		CS -61	Linux Programming	
	CS -52	Internet Technologies - I		CS -62	Internet Technologies – II	
	CS -53	Theoretical Computer Science		CS -63	Compiler Construction	
	CS -54	Programming in JAVA -I		CS -64	Programming in JAVA II	
Core	CS -55	Software Engineering	Core	CS -65	Unified Modeling Language	
Courses	CS-PIX	Computer Science Practical–IX	Courses	CS - PXII	Computer Science Practical – XII	
	CS-PX	Computer Science Practical–X		CS PXIII	Computer Science Practical – XIII	
	CS-PXI	Computer Science Practical–XI		CS - PXIV	Computer Science Practical – XIV	
	CS-MI	Mini Project -I		CS -MII	Mini Project -II	
	Any On	e from the following:		Any One from the following:		
Elective	CS -56	Data Communication and Networking -I	Elective	CS -66	Data Communication and Networking-II	
Courses	CS -57	Data Analytics -I	Courses	CS -67	Data Analytics -II	
	CS -58	Research in Computer Science -I		CS -68	Research in Computer Science -II	
Ability	This pa the stud	per is compulsory for all dents:				
enhancement compulsory course	UG AEC - 51	Soft Skills				

3.5 : Bachelor of Commerce (B.Com.)

1. Course Structure and Scheme of Credits of B. Com. Course:

The B. Com. programme will be of three years duration consisting of six semesters and of minimum 158 credits: Semester I (28 Credits), Semester II (30 Credits), Semester III (26 Credits), and Semester IV (24 Credits) Semester V (26 Credits), and Semester VI (24 Credits). In Semester I and II there will be seven theory papers (Core and Elective Courses) and Semester III to VI, there will be six theory papers (Core and Elective Courses) of 4 credits each. In addition, there will be one theory course (Ability enhancement or skill enhancement course) each in Semester II, Semester III and Semester V of 2 credits each. All 38 (Core and Elective Courses) papers will have 100 marks each out of which 40 marks will be for Continuous Assessment and 60 marks for University Examination. All Ability enhancement or skill in enhancement course will have 50 marks each out of which 20 marks will be for Continuous Assessment and 30 marks for University Examination. Thus, B. Com. Degree examination, six Semesters shall be of 3950 marks and of 158 credits altogether.

A student joining B. Com. Course should note that subjects in Core Courses are compulsory. In addition, he has to offer any subject or any one group from the Elective Courses. Fundamental Course is compulsory for all the students.

The following shall be the course structure :

F.Y.B.Com. Semester I			F.Y.B.Com. Semester II		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
Core Courses	C101	Compulsory English I	Core Courses	C201	Compulsory English II
	C108	Financial Accounting I		C208	Financial Accounting II
	C104	Business Economics I		C204	Business Economics II
	C105	Geography of Resources I		C205	Geography of Resources II
Elective Courses	To choose any one of the following:			To choose any one of the following:	
	C106	Business Mathematics & Statistics I Business		C206	Business Mathematics & Business Statistics II
	C107	Computer Application in Business I		C207	Computer Application in Business II
	To choose any one of the following:			To choose any one of the following:	
	C111	Corporate Law I	Elective Courses	C211	Corporate Law II
	C121	Banking and Insurance		C221	Banking and Insurance
	C131	Marketing I		C231	Marketing II
	To choose any one of the following:			To choose any one of the following:	
	C102	Additional English I		C202	Additional English II
	C103	Marathi I		C203	Marathi II
			Skill Enhance ment Course	SEC 21	Basics of Information Technology
				1	1
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Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
	C308	Corporate Accounting I		C408	Corporate Accounting II
Core	C309	Communication Skills I	Core	C409	Communication Skills II
Courses	C310	Principal of Business Management I	Courses	C410	Principles of Business Management II
	C304	Business Economics III		C404	Business Economics IV
	To choo followin	ose any one of the g:		To choo followin	se any one of the g:
	C311	Corporate Law III		C411	Corporate Law IV
	C321	Banking and Insurnace III		C421	Banking and Insurance
	C331	Marketing III		C431	Marketing IV
Elective Courses	To choo followin	ose any one of the g:	Elective Courses	To choose any one of the following:	
	C341	Cost & Management Accounting I		C441	Cost & Management Accounting II
	C351	Business Entrepreneureship I		C451	Business Enterprenurship II
	C361	E - Commerce I		C461	E - Commerce II
	C371	Business Administration I		C471	Business Administration II
Skill Enhance ment Course	SEC 31	Women Empowerment & Social Justice			

Subject		T.Y.B.Com. Semester V			T.Y.B.Com. Semester VI		
Туре	Code	Title of the paper	Subject Type	Code	Title of the paper		
Core	C508	Corporate Accounting	Core	C608	Corporate Accounting IV		
Courses	C512	International Economics I	Courses	C604	International Economics		
	To choo followin	ose any one of the		To choo followin	To choose any one of the following:		
	C513	Auditing & Taxation I		C612	Auditing & Taxation II		
	C504	Business Regulatory Framework I		C613	Business Regulatory Framework II		
	To choo followin	ose any one of the g:		To choo followin	ose any one of the lg:		
	C511	Corporate Law V	-	C611	Corporate Law VI		
	C521	Banking and Insurance V		C621	Banking and Insurance VI		
[C531	Marketing V		C631	Marketing VI		
	To choose any one Group of the following:			To choose any one Group of the following:			
[Group A			Group A			
Elective	C541	Cost & Management Accounting III	Elective	C641	Cost & Management Accounting V		
Course	C542	Cost & Management Accounting IV	Course	C642	Cost & Management Accounting VI		
[Group B			Group B			
	C551	Business Entrepreneur- ship III		C651	Business Entrepreneurship V		
	C552	Business Entrepreneur- ship IV		C652	Business Entrepreneurship VI		
[Group (Group (
[C561	E-Commerce III		C661	E-Commerce V		
[C562	E-Commerce IV		C662	E-Commerce VI		
	Group [)		Group D			
	C571	Business Administration III		C671	Business Administration V		
	C572	Business Administration IV		C672	Business Administration VI		
Ability Enhancement	This paper is compulsory for all the students.						
Course	AEC 51	Soft Skills					

4 : SCHEME OF EXAMINATION (2018 Course)

FOR ALL UNDERGRADUATE PROGRAMMES

University Terms

The dates for the commencement and conclusion of the First and the Second terms shall be fixed by the University authorities. The terms can be kept by students, who have registered their names with the University.

• Scheme of Examination

The assessment of students in the academic session 2018-19 and thereafter shall be based on-

- (a) University Examinations (UE)
- (b) Internal Assessment (IA)
- (c) Choice Based Credit System (CBCS) and
- (d) Semester Grade Point Average (SGPA) and Cumulative Grade Point Average System (CGPA).

For each paper of 100 marks, there will be Internal Assessment of 40 marks and the University Examination of 60 marks/3 hours duration at the end of each semester. The 4 credits will be given to a student who secures at least 40% of marks allotted to each paper. A candidate who does not pass the examination in any subject or subjects in one semester will be permitted to reappear in such failed subject or subjects along with the papers of following semesters.

The Internal Assessment (IA) for each paper will be of 40 marks. The Internal Assessment may be in the forms as follows:

a)	Attendance	10 Marks
b)	Home Assignment/Tutorial/Test/Presentation	15 Marks
c)	Mid Semester Examination	15 Marks

• Practical : (Applicable to Commerce Faculty only)

There shall be compulsory practical examination of 10 marks for B.Com. degree for all Elective Courses at the end of each semester but before UE. The practical examination will be based on the following:

a) Journal : 5 Marks

b) Oral : 5 Marks

Students should note that there is separate heads of passing in practical examination for B. Com.

The 60 marks in UE of the Elective Courses having practical will be converted into 50 marks.

• Diploma in Marketing and Diploma in Banking (along with to B.Com. Degree): (Applicable to Commerce Faculty only)

A student admitted for B. Com. Semester I and opted for Marketing or Banking and Insurance as one of the elective courses, shall enroll himself/herself for Diploma in

Marketing or Diploma in Banking as the case may be. He/She has to apply for Diploma in the prescribed form. The duration of the Diploma is of three years and can be completed along with with B. Com. degree. The medium of instruction and examination shall be English.

For successful completion of the Diploma -

- A student has to complete all practicals in Semester I, II, III and IV while in Semester V and VI he/she has to complete project report under the supervision of the concerned subject teacher.
- 2. The evaluation of project and viva voce examination shall be done by marks only and then it will be converted into grade in the ten point scale and awarded the same to the student.
- 3. A student shall have to obtain minimum 40% marks in project evaluation and viva voce taken together.

After successful completion of the diploma course, separate Diploma will be conferred on the students in the convocation of the University.

• Standard of Passing

For all courses, both UE and IA constitute separate heads of passing. In order to pass in such courses and to earn the assigned credits, a student must obtain a minimum grade point of 5.0 (40% marks) at UE and also a minimum grade point of 5.0 (40% marks) at IA.

A student who fails at UE in a course has to reappear only at UE as a backlog candidate and clear the head of passing. Similarly, a student who fails in a course at IA has to reappear only at IA as a backlog candidate and clear the head of passing.

Range of Marks (Out of 100)	Grade	Grade Point
80 ≤ Marks ≤ 100	0	10
70 ≤ Marks < 80	A+	9
60 ≤ Marks < 70	A	8
55 ≤ Marks < 60	B+	7
50 ≤ Marks < 55	В	6
40 ≤ Marks < 50	С	5
Marks < 40	D	0

The 10-point scale Grades and Grade Points according to the following table.

The performances at UE and IA will be combined to obtain the Grade Point Average (GPA) for the course. The weightege for performance at UE and IA shall be 60% and 40% respectively.

GPA is calculated by adding the UE marks out of 60 and IA marks out of 40. The total marks out of 100 are converted to grade point, which will be the GPA.

• Formula to Calculate Grade Points (GP)

Suppose that 'Max' is the maximum marks assigned for an examination or evaluation based on which GP will be computed. In order to determine the GP, Set x = Max / 10 (since we have adopted 10-point system). Then GP is calculated by the formulas shown as below.

Range of Marks at the evaluation	Formula for the Grade Point
$8x \le Marks \le 10x$	10
5.5x ≤ Marks <8x	Truncate (Marks/x) +2
$4x \le Marks \le 5.5x$	Truncate (Marks/x) +1

Two kinds of performance indicators, namely, the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA) shall be computed at the end of each term. The SGPA measures the cumulative performance of a student in all the courses in a particular semester, while the CGPA measures the cumulative performance in all courses since his/her enrolment to the course. The CGPA of learner when he/she completes the programme is the final result of the learner.

The SGPA is calculated by the formula SGPA= $\frac{\sum Ck \times GPk}{\sum Ck}$ where *Ck* is the creditvalue assigned to a course and GPk is the GPA obtained by the student in the course. In the above, the sum is taken over all the courses that the student has undertaken for the study during the semester, including those in which he/she might have failed or those for which he/ she remained absent. The SGPA shall be calculated up to two decimal place accuracy.

The CGPA is calculated by the formula CGPA= $\frac{\sum Ck \times GPk}{\sum Ck}$, where Ck is the creditvalue assigned to a course and GPk is the GPA obtained by the student in the course. In the above, the sum is taken over all the courses that the student has undertaken for the study from the time of his/her enrolment to the course and also during the semester for which CGPA is calculated, including those in which he/she might have failed or those for which he/she remained absent. The CGPA shall be calculated up to two decimal place accuracy.

	10 × CGPA – 10	if 5.00 ≤ CGPA ≤ 6.00
	5 × CGPA+ 20	if 6.00 ≤ CGPA ≤ 8.00
% Marks (CGPA) =	10 × CGPA – 20	if 8.00 ≤ CGPA ≤ 9.00
	20 × CGPA – 110	if 9.00 ≤ CGPA ≤ 9.50
	40 × CGPA – 300	if 9.50 ≤ CGPA ≤ 10.00

The Formula to compute equivalent percentage marks for specified CGPA

• Award of Honours

A student who has completed the minimum credits specified for the programme shall be declared to have passed in the programme. The final result will be in terms of letter grade only and is based on the CGPA of all courses studied and passed. The criteria for the award of honours are given below.

Range of CGPA	Equivalent Range of Marks (%)	Final Grade	Performance Descriptor	Final Class	
9.50 ≤CGPA≤ 10.00	≤ 10.00 80 \leq Marks ≤ 100 O Outstanding		First Class with		
9.00 ≤CGPA≤ 9.49	70 ≤ Marks < 80	A+	Excellent	Distinction	
8.00 ≤CGPA≤ 8.99	60 ≤ Marks < 70	A	Very Good	First Class	
7.00 ≤CGPA≤ 7.99	55 ≤ Marks < 60	B+	Good	Higher Second Class	
6.00 ≤CGPA≤ 6.99	50 ≤ Marks < 55	В	Average	Second Class	
5.00 ≤CGPA≤ 5.99	40 ≤ Marks < 50	С	Satisfactory	Pass Class	
CGPA Below 5.00	Marks Below 40	F	Fail	Fail	

Gracing

The gracing shall be done as per existing rules of the University.

• Verification and Revaluation

There is a provision for verification and revaluation of the result. A student can apply for the verification and revaluation of the result within two weeks from the declaration of the results with the prescribed fee. The verification and revaluation shall be done as per the existing rules of the University.

Rule for ATKT

A candidate shall be permitted to proceed further from the First Semester up to Fourth Semester irrespective of his/her failure in any of the Semester examinations subject to the condition that the candidate should register for all the backlog subjects of earlier semesters along with current (subsequent) semester subjects. However, he/she should have clear all the papers at Semester I & II when he/she is admited to Semester V.

• Span Period to Qualify a Degree

As per the guidelines issued by the University Grants Commission (UGC) on "Determination of Uniform Span Period within which a student may be allowed to Qualify for a Degree", a student has to qualify for a degree within the period prescribed by the UGC. If a student could not, he/she will be allowed two more years beyond the prescribed period. In exceptional cases, further extension of one more year may be considered by the University. This is applicable to those students who will be admitted from the academic year 2016-17 onwards as per the Notification (No. 775 dated 14/12/2015) issued by Bharati Vidyapeeth University.

• Format of the Transcript

A student will be given a transcript indicating his/her performance at the end of every semester examination. The transcript shall be given as per the following table along with other necessary details.

5. : ELIGIBILITY FOR ADMISSION TO POST GRADUATE PROGRAMMES

Choice Based Credit System (CBCS) (2018 Course)

Eligibility for admission to M.A. (English) Course: Any graduate of this University or any other recognized University shall be admitted to M.A. (English) Course.

Eligibility for admission to M.A. (Economics) Course: Any graduate of this University or any other recognized University shall be admitted to B.A. (Economics) Course.

3. Eligibility for admission to M.Lib. & I.Sc Course: Any graduate of this University or any other recognized University shall be

admitted to B.A. (Economics) Course.

4. Eligibility for admission to M.Sc. (Chemistry) Course:

A student shall be eligible for admission to the First Year M.Sc (Analytical/Organic/Inorganic Chemistry) degree course who has completed B.Sc (Chemistry) graduation from any recognized university satisfying the following conditions. The candidate should have secured at least 50% (45% for SC/ST) in aggregate at graduate level university examination.

5. Eligibility for admission to M.Sc. (Microbiology) Course:

A candidate who has passed the

- Bachelor of Science from any recognized university with Microbiology as Principle subject (Major) or Microbiology (Honors).
- Bachelor of Science from any recognized university with Botany/Zoology/Biochemistry/Biotechnology/Environmental science as major subjects with Microbiology as subsidiary subject.
- Bachelor of Science from any recognized university with Microbiology as one of the subjects.
- The candidate who has secured aggregate of 50% marks (45 % marks in case of SC/ST) in the graduate course as well as in the Microbiology Subject shall be eligible for admission to the First Year M.Sc. degree course.

6. Eligibility for admission to M.Sc. (Computer Science) Course:

A student shall be eligible for admission to the First Year M.Sc. (Computer Science) degree course who has completed B.Sc.(Computer Science) / B.Sc(Computer application)/B.Sc.(IT)graduation from any recognized university satisfying the following conditions. The candidate should have secured at least 50% (45% for SC/ST) in aggregate at graduate level university examination.

7. Eligibility for admission to M.Com. Course:

Any graduate of this University or any other recognised University shall be admitted to M.Com Course.

6 : Course Structure (PG Programme)(CBCS 2018 COURSE)

6.1 : Master of Arts (M.A. English)

1. Course Structure of M.A. (English) Course:

The M.A. programme will be of two years duration consisting of four semesters and of minimum 70 Credits: Semester I (16 Credits), Semester II (18 Credits), Semester III (18 Credits), and Semester IV (18 Credits). In first three Semesters, there will be four theory papers of 04 credits each. In Fourth Semester, there will be three theory papers of 06 credits and one research project of 10 credits. All 16 papers will have 100 marks each out of which 40 marks will be for Internal Assessment and 60 marks for University Examination. All Ability enhancement or skill enhancement courses will have 50 marks each, out of which 20 marks will be for continuous assessment and 30 marks for university examination. Thus M.A. English degree examination, four Semesters shall be of minimum 1700 marks and of minimum 70 credits alltogather. The following shall be the course structure:

Semester I			Semester II			
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper	
Core: Compulsory	PGEN G 11	Literature in English from 1550 to 1832 – I		PGENG 21	Literature in English from 1550 to 1832 – II	
	PGEN G 12	Introduction to the Study of English Language – I	Core: Compulsory	PGENG 22	Introduction to the Study of English Language – II	
	PGEN G 13	English Language and Literature Teaching – I		PGENG 23	English Language and Literature Teaching – II	
	Any one from the following:			Any one from the following:		
	PGEN G 14	a) Postcolonial Literature – I		PGENG 24	a) Postcolonial Literature – II	
Core: Elective	PGEN G 15	b) Linguistics and Stylistics – I	Core: Elective	PGENG 25	b) Linguistics and Stylistics – II	
	PGEN G 16	c) American Literature: 19th Century – I		PGENG 26	c) American Literature: 19th Century – II	
	PGEN G 17	d) Indian Literature in English Translation – I		PGENG 27	d) Indian Literature in English Translation – II	
			Ability Enhancement Course	PGAEC 11	English for Specific Purposes	

M.A. English: First YearThe M.A. programme will be of two years duration consisting

Semester III			Semester IV		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
	PGEN G 31	Literature in English from 1832 to 1980 – I		PGENG 41	Literature in English from 1832 to 1980 – II
Core: Compulsory	PGEN G 32	Contemporary Critical Thoughts – I	Core: Compulsory	PGENG 42	Contemporary Critical Thoughts – II
	PGEN G 33	Research Methodology – I		PGENG 43	Research Methodology – II (Project Report)
	Any one from the following:			Any one from the following:	
	PGEN G 34	a) Postcolonial Indian English Literature – I		PGENG 44	a) Postcolonial Indian English Literature – II
Core:	PGEN G 35	b) Semantics and Pragmatics – I	Core:	PGENG 45	b) Semantics and Pragmatics – II
Elective	PGEN G 36	c) Contemporary American Literature and Culture – I	Elective	PGENG 46	c) Contemporary American Literature and Culture – II
	PGEN G 37	d) World Classics in English Translation – I		PGENG 47	d) World Classics in English Translation – II
Skill Enhanceme nt Course	PGSEC 31	Soft Skills			

2. Scheme of Examination:

The Assessment of Regular students of Master of Arts (M.A.) English course in the academic session 2018-19 and after, shall be based on

- (a) University Examinations,
- (b) Internal Assessment,
- (c) Choice Based Credit System, and
- (d) Semester Grade Point Average and Cumulative Grade Point Average system

For each paper of 100 marks, there will be Internal Assessment of 40 marks and the University Examination of 60 marks/3 hours duration at the end of each semester. The 04 credit will be given to a student who secures atleast 40% of marks alloted to each paper. A candidate who does not pass the examination in any subject or subjects in one semester will be permitted to reappear in such failed subject or subjects along with the papers of following semesters.

The Internal Assessment (IA) for each paper will be of 40 marks which will be carried out by the department during the term. The Internal Assessment may be in the forms as follows: Attendance, Written tests, seminars, term papers, presentations, assignments, orals or any such others. There will be at least two types of assessments from the types given above.

At the end of each semester, a cumulative grade point average (CGPA) and also Semester grade point average(SGPA) will be calculated as a weighted average of the GPI of all courses in which the student has passed till that semester.

A candidate shall be permitted to proceed from the First Semester up to Final Semester irrespective of his/her failure in any of the Semester examinations subject to the condition that the candidates should register for all the arrear subjects of earlier semesters along with current (subsequent) semester subjects.

Research Project Work:

There will be a Research Project to be prepared by a student during the fourth semester. The objective of the project work is to introduce students to research methodology in the subject and prepare them for pursuing research in theoretical or experimental or computational areas of the subject. The project work is to be undertaken under guidance of a teacher allotted to a student by the department.

Division of Marks

Synopsis with working bibliography (Internal Assessment)	:	40 Marks
A full Project Report (Minimum 50-80 pages)		

(University Assessment)

: 40 Marks

Viva Voce (University Assessment)

: 20 Marks

As the Research Project is based on the self study done by the candidate and evaluated for 100 marks altogether, 06 credits will be awarded to a successful candidate in this subject. The project may be evaluated by two examiners one internal and one external, selected from the panel of PG examiners of the University.

The candidate has to submit the project 15 days before the commencement of the fourth semester university examination. A candidate who fails to submit the project may resubmit the same in the subsequent semester examination for evaluation. The project work activities must be duly supported by documentary evidence to be endorsed by the Head or Guide.

3. Standard of Passing:

A candidate shall be declared to have passed in the paper provided he/she has secured minimum GP of 4.5 in the University Examination and a GPA of 4.0 in agrregate of University Examination and Internal Assessment taken together. A student who passes in all the courses will be declared to have passed M.A. (English) with the following honours.

CGPA in [4.00, 4.99]	 Pass Class
CGPA in [5.00, 5.49]	 Second Class
CGPA in [5.50, 5.99]	 Higher Second Class
CGPA in [6.00, 7.99]	 First Class
CGPA in [8.00, 10.00]	 First Class with Distinction

4. Scheme of credits:

Four hours per week teaching in one semester will lead to four credits and research project will cary 06 credits.

5. Grade point scheme:

The 10-point scale would be used to convert marks out of 100 to grades and grade points according to the following table:

Marks as Percentage	Grade	Grade Point
[75.0, 100]	0	10.0
[70.0, 74.9]	A+	9.0
[65.0,69.9]	A	8.0
[60.0,64.9]	B+	7.0
[55.0,59.9]	В	6.0
[50.0,54.9]	C+	5.5
[45.0,49.9]	С	5.0
[40.0,44.9]	D	4.5

GRACING:

The gracing shall be done as per existing rules of the University.

VERIFICATION AND REVALUATION:

There is provision for verification and revaluation of the result. A student can apply for the verification and revaluation of the result within the two weeks from the declaration of the results with the prescribed fee. The verification and revaluation shall be done as per the existing rules of the University.

6.1 : Master of Arts (M.A.) Economics (CBCS 2019 Course) (Under : The Faculty of Arts, Social Sciences and Commerce)

1. Course Structure of M.A. (Economics) Course:

The M.A. programme will be of two years duration consisting of four semesters and of minimum 70 Credits: Semester I (16 Credits), Semester II (18 Credits), Semester III (18 Credits), and Semester IV (18 Credits). In first three Semesters, there will be four theory papers of 04 credits each. In Fourth Semester, there will be three theory papers of 06 credits and one research project of 10 credits. All 16 papers will have 100 marks each out of which 40 marks will be for Internal Assessment and 60 marks for University Examination. All Ability enhancement or skill enhancement courses will have 50 marks each, out of which 20 marks will be for continuous assessment and 30 marks for university examination. Thus M.A. English degree examination, four Semesters shall be of minimum 1700 marks and of minimum 70 credits alltogather. The following shall be the course structure:

Semester I			Semester II			
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper	
	PGECO 11	Micro Economic Analysis		PGECO 21	Micro Economic Analysis	
Core: Compulsory	PGECO 12	Public Economics	Core: Compulsory	PGECO NG 22	Public Economics	
	PGECO 13	Agricultural Economics		PGECO 23	Agricultural Economics	
	Any one	from the following:		Any one from the following:		
Core: Elective	PGECO 14	a) Industrial Economics	Core: Elective	PGECO 24	a) Industrial Economics	
	PGECO 15	b) Financial Institutions and Markets		PGECO 25	b) Financial Institutions and Markets	
			Ability Enhancement Course	PGAEC 21	Fundamental of Investments	

M.A. Economics: First Year The M.A. programme will be of two years duration consisting

	Ser	nester III	Semester IV				
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper		
	PGECO 31	Macro Economic Analysis		PGECO 41	Macro Economic Analysis		
Core: Compulsory	PGECO 32	International Economics	Core: Compulsory	PGECO 42	International Economics		
	PGECO 33	Research Methodology		PGECO 43	Research Methodology		
	Any one	from the following:		Any one from the follow			
Core: Elective	PGECO 34	a) Economics of Growth and Development	Core: Elective	PGECO 44	a) Economics of Growth and Development		
	PGECO 35	b) Demography		PGECO 45	b) Demography		
Skill Enhanceme nt Course	PGSEC 31	Consumer Protection					

2. Scheme of Examination:

The Assessment of Regular students of Master of Arts (M.A.) Economics course in the academic session 2019-20 and after, shall be based on

- (a) University Examinations,
- (b) Internal Assessment,
- (c) Choice Based Credit System, and
- (d) Semester Grade Point Average and Cumulative Grade Point Average system

For each paper of 100 marks, there will be Internal Assessment of 40 marks and the University Examination of 60 marks/3 hours duration at the end of each semester. The 04 credit will be given to a student who secures atleast 40% of marks alloted to each paper. A candidate who does not pass the examination in any subject or subjects in one semester will be permitted to reappear in such failed subject or subjects along with the papers of following semesters.

The Internal Assessment (IA) for each paper will be of 40 marks which will be carried out by the department during the term. The Internal Assessment may be in the forms as follows: Attendance, Written tests, seminars, term papers,

presentations, assignments, orals or any such others. There will be at least two types of assessments from the types given above.

At the end of each semester, a cumulative grade point average (CGPA) and also Semester grade point average(SGPA) will be calculated as a weighted average of the GPI of all courses in which the student has passed till that semester.

A candidate shall be permitted to proceed from the First Semester up to Final Semester irrespective of his/her failure in any of the Semester examinations subject to the condition that the candidates should register for all the arrear subjects of earlier semesters along with current (subsequent) semester subjects.

Research Project Work:

There will be a Research Project to be prepared by a student during the fourth semester. The objective of the project work is to introduce students to research methodology in the subject and prepare them for pursuing research in theoretical or experimental or computational areas of the subject. The project work is to be undertaken under guidance of a teacher allotted to a student by the department.

Division of Marks

Synopsis with working bibliography (Internal Assessment) : 40 Marks A full Project Report (Minimum 50-80 pages)

(University Assessment)

40 Marks

Viva Voce (University Assessment)

: 20 Marks

As the Research Project is based on the self study done by the candidate and evaluated for 100 marks altogether, 06 credits will be awarded to a successful candidate in this subject. The project may be evaluated by two examiners one internal and one external, selected from the panel of PG examiners of the University.

The candidate has to submit the project 15 days before the commencement of the fourth semester university examination. A candidate who fails to submit the project may resubmit the same in the subsequent semester examination for evaluation. The project work activities must be duly supported by documentary evidence to be endorsed by the Head or Guide.

3. Standard of Passing:

A candidate shall be declared to have passed in the paper provided he/she has secured minimum GP of 4.5 in the University Examination and a GPA of 4.0 in

agrregate of University Examination and Internal Assessment taken together. A student who passes in all the courses will be declared to have passed M.A. (Economics) with the following honours.

> CGPA in [4.00, 4.99] -- Pass Class CGPA in [5.00, 5.49] -- Second Class CGPA in [5.50, 5.99] -- Higher Second Class CGPA in [6.00, 7.99] -- First Class CGPA in [8.00, 10.00] -- First Class with Distinction

4. Scheme of credits:

Four hours per week teaching in one semester will lead to four credits and research project will cary 06 credits.

5. Grade point scheme:

The 10-point scale would be used to convert marks out of 100 to grades and grade points according to the following table:

Marks as Percentage	Grade	Grade Point
[75.0, 100]	0	10.0
[70.0, 74.9]	A+	9.0
[65.0,69.9]	A	8.0
[60.0,64.9]	B+	7.0
[55.0,59.9]	В	6.0
[50.0,54.9]	C+	5.5
[45.0,49.9]	С	5.0
[40.0,44.9]	D	4.5

GRACING:

The gracing shall be done as per existing rules of the University.

VERIFICATION AND REVALUATION:

There is provision for verification and revaluation of the result. A student can apply for the verification and revaluation of the result within the two weeks from the declaration of the results with the prescribed fee. The verification and revaluation shall be done as per the existing rules of the University.

6.3 Master of Library & Information Science (M.Lib & I.Sc.) (CBCS 2018 COURSE)

 Eligibility for admission to M.Lib. & I.Sc. Course: B.Lib. & I.Sc. degree of this University or any other recognized University shall be admitted to M.Lib & I.Sc. Course.

Course Structure of M.Lib & I.Sc. Course:

The M.Lib & I.Sc. programme will be of one years duration consisting of two semesters and of minimum 38 Credits: Semester I (20 Credits) and Semester II (18 Credits. In first Semester, there will be four theory papers of 04 credits each and two theory paper of 2 credit. In Second Semester, there will be four theory papers of 04 credits and one practical paer of 2 credits. All 10 papers will have 100 marks each out of which 40 marks will be for Internal Assessment and 60 marks for University Examination. Thus B.Lib & I.Sc. degree examination, two Semesters shall be of minimum 1050 marks and of minimum 36 credits alltogather. The following shall be the course structure:

Subject	Code	Title of the paper	Subject	Code	Title of the paper		
Туре			Туре				
	ML 11	Information Communication and		ML 21	Research Methods and statistical Techniques		
		Society		ML 22	Applications of		
Core: Com- pulsory	ML 12	Information Sources Services & System	Core		Information Technologies		
	ML 13	Management of libraries and	Com- pulsory	ML 23	Information Processing		
	ML 14	Academic and Public		ML 24	Applications of Informatio Technologies in LIS:Practica		
	Any one f	from the following:		Any one from the following			
	ML 15	Technical Writing	Core: Elective	ML 25	Library and Users		
Core:	ML 16	Multimedia		ML 26	Social Science Information System		
Elective		Application Development					
	ML 17	Information Analysis,	1				
		Consolidation					
Skill	ML 18	Use of of Social Media]				

5. Scheme of Examination

The Assessment of Regular students of Master of Library & Information Science (M.Lib & I.Sc.) course in the academic session 2018-19 and after, shall be based on

- (a) University Examinations,
- (b) Internal Assessment,
- (c) Choice Based Credit System, and
- (d) Semester Grade Point Average and Cumulative Grade Point Average system

For each paper of 100 marks, there will be Internal Assessment of 40 marks and the University Examination of 60 marks/3 hours duration at the end of each semester. The 04 credit will be given to a student who secures atleast 40% of marks alloted to each paper. A candidate who does not pass the examination in any subject or subjects in one semester will be permitted to reappear in such failed subject or subjects along with the papers of following semesters.

The Internal Assessment (IA) for each paper will be of 40 marks which will be carried out by the department during the term. The Internal Assessment may be in the forms as follows: Attendance, Written tests, seminars, term papers, presentations, assignments, orals or any such others. There will be at least two types of assessments from the types given above.

At the end of each semester, a cumulative grade point average (CGPA) and also Semester grade point average(SGPA) will be calculated as a weighted average of the GPI of all courses in which the student has passed till that semester.

A candidate shall be permitted to proceed from the First Semester up to Final Semester irrespective of his/her failure in any of the Semester examinations subject to the condition that the candidates should register for all the arrear subjects of earlier semesters along with current (subsequent) semester subjects.

6. Standard of Passing

A candidate shall be declared to have passed in the paper provided he/she has secured minimum GP of 4.5 in the University Examination and a GPA of 4.0 in agrregate of University Examination and Internal Assessment taken together. A student who passes in all the courses will be declared to have passed M.Lib & I.Sc. with the following honours.

CGPA in [4.00, 4.99]	Pass Class
CGPA in [5.00, 5.49]	Second Class
CGPA in [5.50, 5.99]	Higher Second Class
CGPA in [6.00, 7.99]	First Class
CGPA in [8.00, 10.00]	First Class with Distinction

7. Scheme of credits

Four hours per week teaching in one semester will lead to four credits and project will cary 02 credits.

8. Grade point scheme

The 10-point scale would be used to convert marks out of 100 to grades and grade points according to the following table:

Marks as Percentage	Grade	Grade Point
[75.0, 100]	0	10.0
[70.0, 74.9]	A+	9.0
[65.0,69.9]	А	8.0
[60.0,64.9]	B+	7.0
[55.0,59.9]	В	6.0
[50.0,54.9]	C+	5.5
[45.0,49.9]	С	5.0
[40.0,44.9]	D	4.5

At the end of each semester, student will be given a transcript showing the performance and result in each course. The transcript shows, for each course the title of the course, credit values, grade in UE, grade in IA, Grade point index, result as pass or fail. Also, the Semester grade point average and cumulative grade point average will be shown. Further, the equivalent percentage of marks corresponding to

SGPA and CGPA will be shown. The formula to convert SGPA or CGPA to equivalent percentage is given by:

	10 x CGPA if CGPA/SGPA is in [4.00, 6.00]
Equivalent percentage marks =	05 x CGPA + 30 if CGPA/SGPA is in [6.00, 9.00]
	25x CGPA – 150 if CGPA/SGPA is in [9.00,10.00]

Range in % of marks	Range of CGPA	Letter grade	Division
[75.0, 100]	[9.00, 10.00]	0	First class with
[70.0, 74.9]	[8.00,8.99]	A+	Distinction
[65.0,69.9]	[7.00,7.99]	А	First class
[60.0,64.9]	[6.00,6.99]	B+	I'll St Class
[55.0,59.9]	[5.50,5.99]	В	Higher second class
[50.0,54.9]	[5.00,5.49]	C+	Second class
[45.0,49.9]	[4.50,4.99]	С	Pass class
[40.0,44.9]	[4.00,4.49]	D	1 ass class
[00.0, 39.9]	[0.00,3.99]	F	Fail

The above formula computes to the following table:-

Thus, the percentage of marks can be obtained by using the following table:

	% of		% of		% of		% of
CGPA	Marks	CGPA	Marks	CGPA	Marks	CGPA	Marks
4.0	40.0	5.5	55.0	7.0	65.0	8.5	72.5
4.1	41.0	5.6	56.0	7.1	65.5	8.6	73.0
4.2	42.0	5.7	57.0	7.2	66.0	8.7	73.5
4.3	43.0	5.8	58.0	7.3	66.5	8.8	74.0
4.4	44.0	5.9	59.0	7.4	67.0	8.9	74.5
4.5	45.0	6.0	60.0	7.5	67.5	9.0	75.0
4.6	46.0	6.1	60.5	7.6	68.0	9.1	77.5
4.7	47.0	6.2	61.0	7.7	68.5	9.2	80.0
4.8	48.0	6.3	61.5	7.8	69.0	9.3	82.5
4.9	49.0	6.4	62.0	7.9	69.5	9.4	85.0
5.0	50.0	6.5	62.5	8.0	70.0	9.5	87.5
5.1	51.0	6.6	63.0	8.1	70.5	9.6	90.0
5.2	52.0	6.7	63.5	8.2	71.0	9.7	92.5
5.3	53.0	6.8	64.0	8.3	71.5	9.8	95.0
5.4	54.0	6.9	64.5	8.4	72.0	9.9	97.5
						10.0	100.0

GRACING

The gracing shall be done as per existing rules of the University.

VERIFICATION AND REVALUATION

There is provision for verification and revaluation of the result. A student can apply for the verification and revaluation of the result within the two weeks from the declaration of the results with the prescribed fee. The verification and revaluation shall be done as per the existing rules of the University.

FORMAT OF THE TRANSCRIPT

The student will be given a transcript indicating his/her performance at the end of every semester examination. The transcript shall be given as per the following table along with other necessary details:

Course (Course	No. of	University Examination		Internal Assessm	nent	Grade	Docult	
No.	Name	Credits	Grade	Grade Point	Grade	Grade Point	Average	Result	
1									
2									
3									
4									
5									
6									
Total	Total Cumulative Credits Completed		SGPA		CGPA		Equivalent Marks (%)		
<u>Note</u> : GF marks o	<u>Note</u> : GPA is calculated by adding the UE marks out of 60 and IA marks out of 40. The total marks out of 100 are converted to Grade Point, which will be the GPA								

6.4 : Master of Science (Analytical/Organic/Inorganic Chemistry)

1. INTRODUCTION

The Master of Science (Analytical/Organic/Inorganic Chemistry), program is a full time 84 Credits program offered by BharatiVidyapeeth Deemed University, Pune.

2. GENERAL OBJECTIVES OF THE COURSE:

Chemistry is a pervasive subject. All the branches of science need chemistry. It is an experimental science and students need to train in practicals to get expertise in doing fine experiments and handle sophisticated instruments. Along with the data obtained its statistical analysis is also required to establish authenticity in the fields like environmental science, space chemistry and biotechnology. There are immense potentialities for chemistry and post graduates to undertake advanced research or in Industries as skilled chemists.

GOAL OF THE SYLLABUS: To impart the thorough knowledge of Chemistry, capability of self thinking, self study, identifying the problems and develop the problem solving attitude. To make the student globally competent.

3. ELIGIBILITY FOR ADMISSION TO THIS COURSE

A student shall be eligible for admission to the First Year M.Sc (Analytical/Organic/Inorganic Chemistry) degree course who has completed B.Sc (Chemistry) graduation from any recognized university satisfying the following conditions. The candidate should have secured at least 50% (45% for SC/ST) in aggregate at graduate level university examination.

4. COURSE STRUCTURE

- 1) The M.Sc. (Chemistry) course will be of four semesters and with a minimum of 84 credits. The medium of instruction and examination will be on English.
- Credits for Semester I-12 Credits, Semester II -30 Credits, Semester III- 18 Credits and Semester IV- 24 Credits.
- 3) The assessment of 1 credit at Semester IV of M.Sc.(Chemistry) that is for Industrial Training programme will be carried out as follows :-

- i) A student will inform the department about the joining date of the above mentioned training.
- The student will have to make presentation at the end of the programme and the student will have to submit a compiled report which will be assessed towards course credit as Internal Assessment Marks for Core Elective subject.
- 4) Each theory course prescribed for M. Sc. should be covered in 4 hours, each of 60 minutes duration per week per course
- 5) Each practical course will require 4 hours of laboratory work per week and the course will be extended over two semesters and will be examined at the end of the academic year.
- 6) For theory course the question paper should include at least 20 % weightage for problem solving. Problem solving would include numerical problems and may be objective type questions.
- 7) Thus M.Sc (Analytical/Organic/Inorganic Chemistry) degree examination has four semesters and shall be of 2100 marks and of minimum 84 credits altogether. The following shall be the course structure:

Semester	Subject Type	Code	Title of the paper	Hrs/ Week	Credits	Exam Hrs	Maximum Marks		
							Internal Assessment	University Examination	Total
Semester I	Core: Compulsory	PGCH -101	Physical Chemistry- I	04	04	03	40	60	100
		PGCH -102	Inorganic Chemistry-I	04	04	03	40	60	100
		PGCH -103	Organic Chemistry-I	04	04	03	40	60	100

M.Sc. (Analytical Chemistry): SEMESTER – I

SEMES	TER – II									
	Subject Code Title of the Hrs/ Credits Exam. Maximum		mum Marks							
Semester	Туре	Code	paper	Week	Credits	Hrs	Internal Assessment	University Examination	Total	
		PGCH - 201	Physical Chemistry- II	04	04	03	40	60	100	
		PGCH - 202	Inorganic Chemistry-II	04	04	03	40	60	100	
		PGCH - 203	Organic Chemistry-II	04	04	03	40	60	100	
Semester	Core:	PGCH - 204	Fundamental- s of analytical Chemistry	04	04	03	40	60	100	
II	Compulsory	PGCH - 205	Physical Chemistry practical*	04	02+02	06	40	60	100	
		PGCH - 206	Inorganic Chemistry practical*	04	02+02	06	40	60	100	
		PGCH - 207	Organic Chemistry practical*	04	02+02	06	40	60	100	
	Ability Enhanceme -nt Course	PGCH - 208	Scientific Writing	02	02	02	20	30	50	
SEMES	TER – III									
	Subject		Title of the	Hrs/ Credits		Exam	Maximum Marks			
Semester	Туре	Code	paper	vveeк		Hrs	Internal Assessment	University Examination	Total	
Semester III	Core: Compulsory	PGAC 301	Thermal, Radio and Electro- analytical methods	04	04	03	40	60	100	
		PGAC 302	Modern Aspects of Analytical Chemistry	04	04	03	40	60	100	
		PGAC 303	Recent Analytical Techniques	04	04	03	40	60	100	
		PGAC 304	Analysis of Pharmaceuti -cals	04	04	03	40	60	100	
	Skill Enhanceme nt Course	PGAC 305	Assessment of Water Quality	02	02	02	20	30	50	
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SEMES	TER – IV								
Semester	Subject Type	Code	Title of the paper	Hrs/ Week	Credits	Exam Hrs	Maximum Marks		
							Internal Assessment	University Examination	Total
Semester IV	Core: Compulsory	PGAC 401	Advanced Analytical Techniques	04	04	03	40	60	100
		PGAC 402	Recent Separation Techniques	04	04	03	40	60	100
Any one fi	Any one from the following: From PGAC-403 to PGAC-405								
	Core: Elective#	PGAC 403	Environme- ntal Analysis	04	3+1	03	40	60	100
		PGAC 404	Computer Interface with Chemistry	04	3+1	03	40	60	100
Semester		PGAC 405	Modern Methods of Analysis	04	3+1	03	40	60	100
IV		PGAC 406	Practical Course -I*	02	2+2	06	40	60	100
	Core:	PGAC 407	Practical Course -II*	02	2+2	06	40	60	100
	Compulsory	PGAC 408	Practical Course –III * OR Project Work*	02	2+2	06	40	60	100

* Examination for practical courses will be conducted at the end of academic year.

Core Elective Course includes Core: Elective subjects and Industrial project. Industrial Project includes one day visit, Internet survey, project writing, presentation or oral and be evaluated as the internal marks for Core: Elective Course (PGAC-403, PGAC-404, PGAC-405).

M.Sc. (Organic Chemistry): SEMESTER – I

Somostor	Subject	Codo	Title of the	Hrs/	k Credits	Exam Hrs	Maximum Marks		
Semester	Туре	Code	paper	Week			Internal Assessment	University Examination	Total
Semester I	Core: Compulsory	PGCH - 101	Physical Chemistry- I	04	04	03	40	60	100
		PGCH - 102	Inorganic Chemistry-I	04	04	03	40	60	100
		PGCH - 103	Organic Chemistry-I	04	04	03	40	60	100

SEMESTER – II

	Subject		Title of the paper V	Hrs/		Exam.	Maximum Marks		
Semester	Туре	Code		Week	Credits	Hrs	Internal Assessment	University Examination	Total
		PGCH - 201	Physical Chemistry- II	04	04	03	40	60	100
		PGCH - 202	Inorganic Chemistry-II	04	04	03	40	60	100
		PGCH - 203	Organic Chemistry-II	04	04	03	40	60	100
Semester C.	Core:	PGCH - 204	Fundamental- s of analytical Chemistry	04	04	03	40	60	100
	Compulsory	PGCH - 205	Physical Chemistry practical*	04	02+02	06	40	60	100
		PGCH - 206	Inorganic Chemistry practical*	04	02+02	06	40	60	100
		PGCH - 207	Organic Chemistry practical*	04	02+02	06	40	60	100
	Ability Enhanceme -nt Course	PGAE C- 208	Scientific Writing	02	02	02	20	30	50

SEMES	STER – III									
				Hrs/	Credits	Exam	Maximum Marks			
Semester	Subject Type	Code	Title of the paper	Week		Hrs	Internal Assessment	University Examination	Total	
Semester III	Core: Compulsory	PGOC 301	Advanced Organic Reaction Mechanism	04	04	03	40	60	100	
		PGOC 302	Spectroscopic Methods In Structure Determination	04	04	03	40	60	100	
		PGOC 303	Advanced Stereochemist - ry	04	04	03	40	60	100	
		PGOC 304	Medicinal Chemistry	04	04	03	40	60	100	
	Skill Enhanceme nt Course	PGSE C 305	Assessment of Water Quality	02	02	02	20	30	50	

SEMESTER - IV

Semester	Subject Type	Code	Title of the paper	Hrs/ Week	Credits	Exam Hrs	Maximum Marks		
							Internal Assessment	University Examination	Total
Semester IV	Core: Compulsory	PGOC - 401	Synthetic Organic Chemistry	04	04	03	40	60	100
		PGOC - 402	Chemistry Of Natural Products	04	04	03	40	60	100
Any one fr	rom the follo	wing: F	rom PGAC-403	B to PG	AC-405				
	Core: Elective#	PGOC - 403	Green Chemistry	04	04	3+1	40	60	100
		PGOC - 404	Applied Organic Chemistry	04	04	3+1	40	60	100
Semester		PGOC - 405	Bio-Organic Chemistry	04	04	3+1	40	60	100
IV		PGOC - 406	Mixture Separation*	02	2+2	06	40	60	100
	Core:	PGOC - 407	Advanced Preparations*	02	2+2	06	40	60	100
	Compusory	PGOC - 408	Research Project / Laboratory Course*	02	2+2	06	40	60	100

* Examination for practical courses will be conducted at the end of academic year.

Core Elective Course includes Core: Elective subjects and Industrial project.Industrial Project includes one day visit, Internet survey, project writing, presentation or oral and be evaluated as the internal marks for Core: Elective Course (PGOC-403, PGOC-404, PGOC-405).

5. SCHEME OF CREDITS:

The M.Sc (Analytical/Organic/Inorganic Chemistry) is of 84 credits. The distribution of credits over semesters is given below.

Course	Credits	SEM-I	SEM - II	SEM – III	SEM-IV	Total	Examination
Туре	oreuna	L(pw)	L(pw)	L(pw)	L(pw)	Credits	
Core Compulsory	4	4	4	4	4	16C	University
Theory		60Hrs	60Hrs	60Hrs	60Hrs	240Hrs	Oniversity
Core Compulsory	4	4	4	4	4	16C	Universitv
Theory		60Hrs	60Hrs	60Hrs	60Hrs	240Hrs	
Core Compulsory	4	4	4	4	-	12C	University
Theory		60Hrs	60Hrs	60Hrs		180Hrs	
Core Compulsory	4	-	4	4	-	8C	University
Theory			60Hrs	60Hrs		120Hrs	
Core: Elective	3	-	-	-	3		University
Theory					45Hrs	45Hrs	
Industrial Project	1	-	-	-] 15⊔ro	1C 15Uro	University
Ability Enhancement			2			10115	
	2	-	2 20Цra	-	-	20 30 4 120	University
Skill Enhancoment			30015	2		201115	
	2	-	-	201.1mg	-	20	University
		2		30015			
Physical Chemistry	2+2	-2		-	-	40	University
Practical		60Hrs	30Hrs			60Hrs	
Inorganic Chemistry	2+2	-2	2	_	_	4C	University
Practical		60Hrs	30Hrs			60Hrs	
Organic Chemistry	2+2	-2	2	_	_	4C	University
Practical	2.2	60Hrs	30Hrs			60Hrs	Oniversity
Practical	2+2	_	_	2	2	4C	Liniversity
Course –I	212	-	-	30Hrs	30Hrs	60Hrs	Oniversity
Practical	212			2	2	4C	University
Course –II	272	-	-	30Hrs	30Hrs	60Hrs	Oniversity
Practical Course-III				2	2	4C	
OR	2+2	-	-	- 30Hrs	- 30Hrs	60Hrs	University
Project Work				001110	501110		

Total Required Credits:

Semester	Core Courses	Elective Course	SEC / AECC	Total
I	12			12
11	28		02	30
	16		02	18
IV	20	04		24
Grand Total	76	04	04	84

6. MEDIUM OF INSTRUCTION:

The medium of instruction and examination shall be English.

7. UNIVERSITY TERMS:

The dates for the commencement and conclusion of the First and the Second terms shall be fixed by the University authorities. The terms can be kept by students, who have registered their names with the University.

8. SCHEME OF EXAMINATION:

The Assessment of Regular students of Master of Science (M.Sc.) course in the academic session 2018-19 and thereafter shall be based on

- (a) UniversityExaminations (UE),
- (b) Continuous Internal Assessment (IA),
- (c) Choice Based Credit System (CBCS), and
- (d) Semester Grade Point Average (SGPA) and Cumulative Grade Point Average system (CGPA)

For each paper of 100 marks, there will be Internal Assessment of 40 marks and the University Examination of 60 marks/3 hours duration at the end of each semester. The 04 credit will be given to a student who secures atleast 40% of

marks alloted to each paper. A candidate who does not pass the examination in any subject or subjects in one semester will be permitted to reappear in such failed subject or subjects along with the papers of following semesters.

The Internal Assessment (IA) for each paper will be of 40 marks which will be carried out by the department during the term. The Internal Assessment may be in the forms as follows: Attendance, Written tests, seminars, term papers, presentations, assignments, orals or any such others. There will be at least two types of assessments from the types given above.

At the end of each semester, a cumulative grade point average (CGPA) and also Semester grade point average (SGPA) will be calculated as a weighted average of the GPI of all courses in which the student has passed till that semester.

A candidate shall be permitted to proceed from the First Semester up to Fourth Semester irrespective of his/her failure in any of the Semester examinations subject to the condition that the candidates should register for all the arrear subjects of earlier semesters along with current (subsequent) semester subjects.

9. Research Project Work:

There will be a Research Project optional for practical course –III to be prepared by a student. The objective of the project work is to introduce students to research methodology in the subject and prepare them for pursuing research in theoretical or experimental or computational areas of the subject. The project work is to be undertaken under guidance of a teacher allotted to a student by the department.

Division of Marks

Internal Assessment :40 Marks

A full Project Report&Viva Voce (University Assessment) : 60 Marks

As the Research Project is based on the self study done by the candidate and evaluated for 100 marks altogether, 04 credits will be awarded to a successful candidate in this subject. The project may be evaluated by three examiners one internal and two external, selected from the panel of PG examiners of the University.

The candidate has to submit the project report before the deadline annouanced by the department. A candidate who fails to submit the project may resubmit the same in the subsequent semester examination for evaluation. The project work activities must be duly supported by documentary evidences to be endorsed by the Head or the Guide.

10. STANDARD OF PASSING:

For all courses, both UE and IA constitute separate heads of passing. In order to pass in such courses and to earn the assigned credits, a student must obtain a minimum grade point of 5.0 (40% marks) at UE and also a minimum grade point of 5.0 (40% marks) at IA.

Even a student fails in IA, he/she shall be declared 'pass' in the course provided he/she obtains a minimum of 25% in IA and GPA for the course is at least 6.0 (50% in aggregate). The GPA for a course will be calculated only if the student passes at the UE.

A student who fails at UE in a course has to reappear only at UE as a backlog candidate and clear the head of passing. Similarly, a student who fails in a course at IA has to reappear only at IA as a backlog candidate and clear the head of passing.

Range of Marks (Out of 100)	Grade	Grade Point
80 ≤ Marks ≤ 100	0	10
70 ≤ Marks < 80	A+	9
60 ≤ Marks < 70	A	8
55 ≤ Marks < 60	B+	7
50 ≤ Marks < 55	В	6
40 ≤ Marks < 50	С	5
Marks < 40	D	0

The 10-point scale Grades and Grade Points according to the following table.

The performances at UE and IA will be combined to obtain the Grade Point Average (GPA) for the course. The weighteg for performance at UE and IA shall be 60% and 40% respectively.

GPA is calculated by adding the UE marks out of 60 and IA marks out of 40. The total marks out of 100 are converted to grade point, which will be the GPA

FORMULA TO CALCULATE GRADE POINTS (GP):

Suppose that 'Max' is the maximum marks assigned for an examination or evaluation based on which GP will be computed. In order to determine the GP, Set x = Max / 10 (since we have adapted 10-point system). Then GP is calculated by the formulas shown as below.

Range of Marks at the evaluation	Formula for the Grade Point
$8x \le Marks \le 10x$	10
5.5x ≤ Marks <8x	Truncate (Marks/x) +2
4x ≤ Marks <5.5x	Truncate (Marks/x) +1

Two kinds of performance indicators, namely, the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA) shall be computed at the end of each term. The SGPA measures the cumulative performance of a student in all the courses in a particular semester, while the CGPA measures the cumulative performance in all courses since his/her enrolment to the course. The CGPA of learner when he/she completes the programme is the final result of the learner.

The SGPA is calculated by the formula SGPA= $\frac{\Sigma Ck \times GPk}{\Sigma Ck}$ where Ck is the creditvalue assigned to a course and GPk is the GPA obtained by the student in the course. In the above, the sum is taken over all the courses that the student has undertaken for the study during the semester, including those in which he/she might have failed or those for which he/ she remained absent. The SGPA shall be calculated up to two decimal place accuracy.

The CGPA is calculated by the formula CGPA= $\frac{\Sigma Ck \times GPk}{\Sigma Ck}$ where Ck is the creditvalue assigned to a course and GPk is the GPA obtained by the student in the course. In the above, the sum is taken over all the courses that the student has undertaken for the study from the time of his/her enrolment to the course and also during the semester for which CGPA is calculated, including those in which he/she might have failed or those for which he/she remained absent. The CGPA shall be calculated up to two decimals place accuracy.

	10 × CGPA – 10	if 5.00 ≤ CGPA ≤ 6.00
	5 × CGPA+ 20	if 6.00 ≤ CGPA ≤ 8.00
% Marks (CGPA) =	10 × CGPA – 20	if 8.00 ≤ CGPA ≤ 9.00
	20 × CGPA – 110	if 9.00 ≤ CGPA ≤ 9.50
	40 × CGPA – 300	if 9.50 ≤ CGPA ≤ 10.00

The Formula to compute equivalent percentage marks for specified CGPA:

11. AWARD OF HONOURS:

A student who has completed the minimum credits specified for the programme shall be declared to have passed in the programme. The final result will be in terms of letter grade only and is based on the CGPA of all courses studied and passed. The criteria for the award of honours are given below.

Range of CGPA	Final Grade	Performance Descriptor	Equivalent Range of Marks (%)
9.50 ≤CGPA≤ 10.00	0	Outstanding	80 ≤ Marks ≤ 100
9.00 ≤CGPA≤ 9.49	A+	Excellent	70 ≤ Marks < 80
8.00 ≤CGPA≤ 8.99	А	Very Good	60 ≤ Marks < 70
7.00 ≤CGPA≤ 7.99	B+	Good	55 ≤ Marks < 60
6.00 ≤CGPA≤ 6.99	В	Average	50 ≤ Marks < 55
5.00 ≤CGPA≤ 5.99	С	Satisfactory	40 ≤ Marks < 50
CGPA Below 5.00	F	Fail	Marks Below 40

A candidate shall be permitted to proceed further from the First Semester up to Fourth Semester irrespective of his/her failure in any of the Semester examinations subject to the condition that the candidates should register for all the backlog subjects of earlier semesters along with current (subsequent) semester subjects.

12. GRACING:

The gracing shall be done as per existing rules of the University.
13. VERIFICATION AND REVALUATION:

There is provision for verification and revaluation of the result. A student can apply for the verification and revaluation of the result within two weeks from the declaration of the results with the prescribed fee. The verification and revaluation shall be done as per the existing rules of the University.

14. FORMAT OF THE TRANSCRIPT:

The student will be given a transcript indicating his/her performance at the end of every semester examination. The transcript shall be given as per the following table along with other necessary details:

Course Course		e No.of	University Internal Examination Assessment		ernal ssment	Grade Point Average	Result	
	Name	Oreans	Grade	Grade	Grade	Grade		
				Point		Point		
1								
2								
3								
4								
5								
Total Cumulative Credits Completed		SGPA		CGPA		Equivalent Marks (%)		

Note: GPA is calculated by adding the UE marks out of 60 and IA marks out of 40. The total marks out of 100 are converted to Grade Point, which will be the GPA.

6.5 : Master of Science (M.Sc. Microbiology)

1. Structure of M.Sc. (Microbiology) CBCS degree program

The overall structure of the course to be implemented from the academic year 2018-2019 onwards is as follows.

- A. The M.Sc. (Microbiology) course will be of 2 years duration. Each year will be of 2 semesters Thus the entire course will be of 4 semesters.
- B. First, Second and Fourth semester will comprise of four theory and two practical courses each.
- C. Third semester will be totally for Internship (Major project).
- D. Entire M.Sc. course in Microbiology shall be covered in 14 theory papers including 'Ability enhancement course' and 'Skill enhancement course', 6 practical courses, and an Internship (major project with Dissertation). Each theory paper will be covered in 4 lectures of one hour per week. Each practical course shall be covered in two practical turns of three clock hours per week. Thus, the students will work for each practical on two days of the week, daily for minimum six hrs. Students will be given eight hrs in a week for library work.
- E. Students will have to complete an Internship program (Major project with dissertation) so as to learn research methodology and presentation of work. The Internship (major project with dissertation) shall carry 200 marks. The students will work for their projects, complete the experimental work in third semester, and complete the writing part of the project during the winter break. Minimum number of students participating in a project will be two and maximum number of students would be four. The assessment of the project will be at beginning of the fourth semester which includes the presentation and viva-voce by external and internal examiner

	Semester I			Semester II		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper	
THEORY:	PGMB 101	Biochemistry	0	PGMB 201	Fermentor Design and Microbial Biotechnology	
Corre Compuls	PGMB102	Immunology	Core: Compulso	PGMB202	Analytical Techniques	
	PGMB103	Genetics and Molecular Biology		PGMB203	Quantitative Biology	
	Any one fr	om the following:		Any one from the following:		
Core	PGMB104	Microbial Ecology	Core	PGMB204	Microbial Metabolism	
LIOOUVO	PGMB105	Environmental Microbiology	Liootivo	PGMB205	Physiology and Metabolism	
Practical	PGMB111	Practical course 1	Practical	PGMB211	Practical course 3	
Course	PGMB112	Practical course 2	Course	PGMB212	Practical course 4	
			Ability Enh ancement Course	PGAEC201	Scientific Writing	

Subiect			Hrs./	Cre	Maxin	um Marks	
Туре	Code	Title of the paper	Week	dits	Internal Ass.	Uni. Exam.	Total
		Internship (Major Research Project), OR in case of national	08	20	80	120	200
Core: Compulsory	PGMB 304 & PGMB 305	 emergencies like Covid pandemics. following alternative has been approved in BOS meeting dt. 02/07/2020. 1. Review Article : 50 marks. 2. Field work (Data Collection) / Online Surveys / Book Review: having subject relevance (Any one from enlisted) 100 marks. 3. Evaluation : 50 Marks 					

Subject Type	Code	Title of the paper	
	PGMB 401	Virology	
Core: Compulsory	PGMB 402	Medical Microbiology	
	PGMB 403	Food and Dairy Microbiology	
	Any one from the fo	ollowing:	
Core: Elective	PGMB 404	Advanced Biotechnology	
	PGMB 405	Advanced Analytical Techniques	
Practical Course	PGMB 411	Practical course 5	
	PGMB 412	Practical course 6	
Skill Enhancement Course	PGSEC 401	Exploring Microbial Diversity	

SEMESTER-III

Project Work: Students have to undertake a major project so as to learn research methodology and presentation of work. The project shall carry 200 marks which will be allotted as follows:

INTERNAL ASSESSMENT: 80 marks (To be Completed by the Department)

The criteria for awarding the marks are as follow:

Sr. No.	Criteria	Maximum Marks
1.	Selection of the topic considering social relevance	10
2.	Well organized abstract/ introduction	10
3.	Literature Review	10
4.	Discussion of current developments in a selected field/ topic	15
5.	Summarizing significant findings of the present study	15
6.	Use of software like Mendeley to keep flexibility for publication and referencing style.	05
7.	Fulfillment of Plagiarism norms as per attached certificate	10
8.	Publication of work	05
Total mar	ks = 80	

UNIVERSITY EXAMINATION: (To be Conducted by External Examiner)

Sr. No.	Criteria	Maximum Marks
1.	Selection of the topic considering social relevance	05
2.	Selection of Objectives	05
3.	Review of Literature and the use of software like Mendeley	20
1.1.1	to keep flexibility for publication and referencing style.	00.00.00
4.	Materials and Methods followed to meet the objectives.	20
5.	Statistical analysis of the data	20
6.	Results and Discussion	30
7.	Fulfillment of Plagiarism norms as per attached certificate	05
8.	'Departmental Academic Integrity Panel (DAIP)'	05
	Evaluation Certificate	
9.	Publication of work	10
Total mar	ks = 120	

Review Article: 50 marks

The criteria for awarding the marks are as follow:

Sr. No.	Criteria	Maximum Marks
9.	Selection of the topic considering social relevance	05
, 1 0.	Well organized abstract/ introduction	05
11.	Survey of the topic selected as evidenced through references	10

12.	Discussion of current developments in a selected field/ topic	10
13.	Summarizing significant findings of the present study	05
14.	Literature Review and the use of software like Mendeley to keep flexibility for publication and referencing style	05
15.	Fulfillment of Plagiarism norms as per attached certificate	05
16.	Publication of work	05

2. Field work (Data Collection)/ Online surveys: having subject relevance

(Any one from enlisted) 100 marks

Sr. No.	Criteria	Maximum Marks
10.	Selection of the topic considering social relevance	10
11.	Method followed for data collection	10
12.	Statistical analysis of the data	40
13.	Well organized abstract/ introduction	05
14.	Reference work	10
15.	Discussion of current developments in a selected field/ topic	10
16.	Summarizing significant findings of the present study	05
17.	Fulfillment of Plagiarism norms as per attached certificate	05
18.	Publication of work	05
Total mar	ks = 100	

OR

3. Book review: having subject relevance (Any one from enlisted) 100

marks

Sr.	Criteria	Maximum
No.		Marks
1.	Name of the author and book with relevant details of publisher and	05
	publication	
2.	Relevant information about the author like who the author is and	05
	where he/she stands in the genre or the field of enquiry.	
3.	Context of the book	10
4.	Brief discussion about the theme of book	30
5.	Strengths and weaknesses of the book	20
6.	Highlighting parts of the book by selecting particular chapter/	10
	theme for the justification of review	
7.	Concluding remarks about books overall perspective, argument	10
	and purpose	
8.	Plagiarism check report	10
Total	marks = 100	

4. Evaluation: 50 Marks

Internal evaluation for the alternative that is, submitting review article and field work /survey / book review will be carried out as follow:

Online presentations through central government approved apps	Maximum marks
Presentation based on review article (One presentation)	10
Presentation based on field work/ survey / book reviews (Two	40
presentations each of 20 marks)	
Total marks	50

IMP Note: The candidate has to submit the project report before the deadlines notified by the department. The candidate who fails to submit the project report may re-submit the same in a subsequent semester examination for evaluation purpose. The project work activities must be duly supported by documentary evidences and those should be endorsed by the HOD or the guide. All forthcoming UGC notifications regarding promotion of academic integrity and prevention of plagiarism in higher education institutions will be binding to the students. Submitted thesis / report / review by the students will be evaluated by, 'Departmental Academic Integrity Panel (DAIP)' and will be certified to be eligible for further evaluation as mentioned above.

SEMESTER-IV

2. Rules for the examination: -

- A. A candidate shall not be admitted to the semester examination unless he / she has satisfactorily kept terms for the courses at the respective department of this university.
- B. An application (which must be in the prescribed form and accompanied by the prescribed fee) for admission to any of the examination of M.Sc. (Microbiology Degree course shall be submitted by a candidate to the Registrar through the Head of the Institution attended by him / her on or before the prescribed date along with a certificate from the Head of the Institution having attended the course and kept the terms in the various subjects and of having satisfied the other conditions laid down by the university and of being fit candidate for the examination.
- C. Assessment pattern

a. Continuous Internal Assessment :

Theory: Three Tutorials will be conducted through out the semester for each theory course and marks out of 40 per course will be submitted to

the university as Internal marks.

Practical: Internal marks for the practical course will be based on the continuous assessment of the daily work, orals, seminars/presentations; Tour/visit reports, class tests, literature review and attendance(Any two). Students will be assessed for 40 marks for each practical course.

b. Annual Examination :

Theory: An University examination will be held at the end of every semester. This Examination in each subject will be of 60 marks for three hours duration

The final result of the students in each subject will be based on Final GPA obtained by the students for the internal assessment and University Examination.

Practical: There shall be Annual practical examination of 60 marks at the end of 2nd and 4th Semester.

The practical examination for the courses PGMB 111, PGMB 112, PGMB 211, and PGMB 212 will be conducted at the end of second semester. Practical examination for courses PGMB 411 and PGMB 412 will be conducted at the end of fourth semester. Practical courses PGMB 311 PGMB 312 are allotted for Internship. The assessment for the said courses will be as follows.

c. Rules regarding ATKT to second year M.Sc. Microbiology course.

A student will be allowed to keep terms at the second year of the M.Sc. course if her / his terms for the first year have been granted.

d. Standard of passing :

- i. The candidate who has obtained at least D grade shall be declared to have passed in the said course.
- ii. The candidate who has not secured C grade in a particular paper in the University Examination will have to secure at least C grade in the subsequent examination in the particular paper.:

A) The 10-point scale would be used to convert marks out of 100 to grades and grade points according to the following table:-

Marks as Percentage	Grade	Grade Point
[75.0, 100]	0	10.0
[70.0, 74.9]	A+	9.0
[65.0,67.9]	А	8.0
[60.0,64.9]	B+	7.0
[55.0,59.9]	В	6.0
[50.0,54.9]	C+	5.5
[45.0,49.9]	С	5.0
[40.0,44.9]	D	4.5
[00.0, 39.9]	F	0.0

(B) For courses which have both University Examination (UE) and Internal Assessment(IA):

In order to pass in a course, the student must obtain a minimum of 'D' grade at the UE and a GPI of 4.0 in aggregate of UE and IA. There is no separate passing in IA. The GPI is calculated only if the student passes at UE by combining percentage marks at UE and IA with weights 0.6 and 0.4 respectively. A student who fails has to clear the course by appearing at UE only as a back-log candidate.

(C) For courses which have no University Examination:

There are some courses, the General courses, for which there is no UE. The respective institutes conduct 'continuous assessment' and EoTE(End of term examination).For such courses the computation of GPI, passing criteria, and back-log clearing rules are as in (B) above.

- (D) At the end of each semester, a cumulative grade point average (CGPA) will be calculated as a weighted average of the GPI of all courses in which the student has passed till that semester.
- (E) A student who passes in all the courses will be declared to have passed the entire M.Sc (Microbiology) with the following honours.

CGPI in [4.00, 4.99] -- Pass Class CGPI in [5.00, 5.49] -- Second Class

CGPI in [5.50, 5.99] -- Higher Second Class CGPI in [6.00, 6.99] -- First Class

CGPI in [7.00, 10.00] -- Distinction.

(F) PROMOTION RULES:

A student will be allowed to keep all terms for the duration of the programme.

(G) Continuous Assessment (CA)

40% marks of the course towards CA will be bases on tests (Minimum 2). In addition, a teacher may consider one or more of the following evaluation systems:-

- i) Seminar /presentation by the student
- ii) Assignment by the student

Each theory paper is of 60 marks and internal paper is for 40 marks.

Each practical examination for lab course is of 60 marks and four hour duration for three consecutive days. The project courses in Semester III will be evaluated for 200 marks for the allotted credits by a panel consisting of one internal and one external examiner.

6.6 : Master of Computer Science (M.Sc. Computer Science)

1. Course Structure

The M.Sc. (Computer Science) course will be two year full time course consisting of minimum four semesters and with a minimum of 94 credits. The medium of instruction and examination will be only English. The credit allotment for M.Sc.(Computer Science) course : Semester I (24 Credits), Semester II (26Credits), Semester III (26 Credits), and Semester IV (18 Credits). In each Semester, there will be four papers(three core compulsory and one core elective) of 100 marks each, two Laboratory course and minor project for each Semester of 100 marks each, out of which 40 marks will be for internal assessment and 60 marks for university examination. Fourth semester is internship for 200 marks. Thus M.Sc.(Computer Science) degree examination, four semesters shall be 2400 marks and of minimum 94credits altogether . The following shall be the course structure:

	Se	emester I	Semester II		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
	PGCS- 101	Algorithm Design Patterns	Core: Compuls ory	PGCS- 201	Software Project Management
Core: Compuls ory	PGCS- 102	Paradigm of programming Languages		PGCS- 202	Cloud Computing
	PGCS- 103	Advanced Database Concepts		PGCS- 203	Java Application Programming
	PGCS- MI	Minor Project –I		PGCS- MII	Minor Project -II
	Any one from the following:			Any one from the following:	
Core:	PGCS- 104	Parallel Processing	Core:	PGCS- 204	Network Security
Elective	PGCS- 105	Theory of Automata	Elective	PGCS- 205	Embedded Computing
	PGCS- 106	Digital Image Processing		PGCS- 206	Data Mining

Semester I			Semester II			
Subject Type	Code	Title of the paper	Subject Type		Title of the paper	
	Any two from the following:			Any two from the following:		
Elective :	PGCS- 107	Lab Course –I	Elective : Practical's	PGCS- 207	Lab Course –IV	
Practical's	PGCS- 108	Lab Course –II		PGCS- 208	Lab Course –V	
	PGCS- 109	Lab Course –III		PGCS- 209	Lab Course –VI	
			Ability Enhance- ment Course	PGAEC 11	Soft Skills	

SEMESTER III

Semester	Subject Type	Code	Title of the paper	
		PGCS-301	Artificial Intelligence	
		PGCS-302	Mobile Technologies	
	Core.Compulsory	PGCS-303	.Net Technologies	
		PGCS-MIII	Minor Project –III	
		Any one from the foll	owing:	
	Core: Elective	PGCS-304	Software Architecture	
		PGCS-305	Software Testing	
Semester III		PGCS-306	Advanced Operating	
			System	
	Elective Practical's	Any two from the following:		
		PGCS-307	Lab Course –VII	
		PGCS-308	Lab Course –VIII	
		PGCS-309	Lab Course –IX	
	Skill Enhancement	DOSEC 21	Android	
	Course		Programming	

SEMESTER IV

Semester	Course Number	Course Title
Semester IV	PGCS-401	Internship

5. Scheme of Examination:

In order to pass in a course, the student must obtain a minimum of 'D' grade at the UE and a GPI of 4.5 in aggregate of University Examination and Internal Assessment .For each paper of 100 marks , there will be internal assessment of 40 marks and the university examination of 60 marks for 3 hours duration.

The Internal Assessment (IA) of each course will be for 40 marks and conducted by the college during the term. The assessment may be based on evaluations of the following: Written tests, seminar/presentation by the student, assignment, orals or any other. Hence there must be at least two evaluations of different kind.

Each practical examination for laboratory course is of 100 marks and three hours duration. The minor projects in Semesters I ,II and III will be evaluated for 100 marks for the allotted credits by a panel consisting of one internal and one external examiner .For both laboratory course and minor project , there will be internal assessment of 40 marks and the university examination of 60 marks.

A candidate shall be permitted to proceed from the first semester upto final semester irrespective of their failure in any of the semester examinations subject to the condition that the candidate should register for all the arrear subjects of earlier semesters along with current(subsequent)semester subjects.

At the end of each semester, a cumulative grade point average (CGPA) and also Semester grade point average (SGPA) will be calculated as a weighted average of the GPI of all courses in which the student has passed till that semester.

A student who passes in all the courses will be declared to have passed the entire M.Sc (Computer Science) with the following honours.

CGPA in [4.00, 4.99]	Pass Class
CGPA in [5.00, 5.49]	Second Class
CGPA in [5.50, 5.99]	Higher Second Class
CGPA in [6.00, 7.99]	First Class

CGPA in [8.00, 10.00] - First Class with Distinction

6. STANDARD OF PASSING:

A candidate shall be declared to have passed in the paper provided he/she has secured minimum GP of 4.5 in the University Examination and a GPA of 4.0 in agrregate of University Examination and Internal Assessment taken together. A student who passes in all the courses will be declared to have passed M.Sc (Computer Science) with the following honours.

CGPA in [4.00, 4.99]	Pass Class
CGPA in [5.00, 5.49]	Second Class
CGPA in [5.50, 5.99]	Higher Second Class
CGPA in [6.00, 7.99]	First Class
CGPA in [8.00, 10.00]	First Class with Distinction

7. Scheme of credits:

The M.Sc(Comp.Sci) is of 94credits. The distribution of credits over semesters is given below.

Semester	Total credits
SEM I	24
SEM II	26
SEM III	26
SEM IV	18
Total	94

- 4 Credits : 4 lectures per week
- 2 Credits : 4 hours practical per week

8. Grade point scheme:

The 10-point scale would be used to convert marks out of 100 to grades and grade points according to the following table:

Marks as Percentage	Grade	Grade Point
[75.0, 100]	0	10.0
[70.0, 74.9]	A+	9.0
[65.0,69.9]	А	8.0
[60.0,64.9]	B+	7.0
[55.0,59.9]	В	6.0
[50.0,54.9]	C+	5.5
[45.0,49.9]	С	5.0
[40.0,44.9]	D	4.5

9. GRACING:

The gracing shall be done as per existing rules of the University.

10. VERIFICATION AND REVALUATION:

There is provision for verification and revaluation of the result. A student can apply for the verification and revaluation of the result within the two weeks from the declaration of the results with the prescribed fee. The verification and revaluation shall be done as per the existing rules of the University.

6.7 : Master of Commerce (M. Com.) (CBCS 2018 Course)

1. Course Structure:

The M. Com. degree course will be of two year duration consisting of four semesters and of minimum 70 credits as below:

Semester I (16 credits)] Semester II (18 credits), Semester III (18 credits) and Semester IV (18 credits). In each semester there will be four theory papers of 4 credits each. In addition there will be one theory course (Ability enhancement or skill enhancement course) each in semester II & III of 2 credits each in fourth semester there will be research project of 2 credits.

In each Semester, there will be four papers of 100 marks each out of which 40 marks will be for Internal Assessment (attendance, home assignments, class tests, long term papers, classroom presentations) and 60 marks for University Examination. All ability enhancement or skill enhancement courses will have 50 mark each, out of which 20 marks will be for continuous assessment and 30 marks for university examination. Thus M. Com. degree examination, four Semesters shall be of 1700 marks and of minimum 70 credits altogether. The following shall be the course structure.

Semester I			Semester II		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
Core	PGCO M101	Business Finance-I	Core Compul- sory	PGCOM 201	Business Finance-II
Compul- sory	PGCO M102	Management Concepts & Organisational Behaviour-I		PGCOM 202	Management Concepts & Organisational Behaviour-II
	To choo the follo	bse any one Group of owing:		To choo the follo	se any one Group of wing:
	Group A	A		Group A	
	PGCO M 103	Advanced Accounting-I		PGCOM 203	Advanced Accounting- III
	PGCO M 104	Advanced Accounting-II		PGCOM 204	Advanced Accounting- IV
	Group B			Group B	
Core Elective	PGCO M 105	Marketing-I	Core Elective	PGCOM 205	Marketing-III
	PGCO M 106	Marketing-II		PGCOM 206	Marketing-IV
	Group C			Group C	
	PGCO M 107	Business Administration-I		PGCOM 207	Business Administration-III
	PGCO M 108	Business Administration-II		PGCOM 208	Business Administration-IV
	Group D			Group D	
	PGCO M 109	Advanced Cost Accounting-I		PGCOM 209	Advanced Cost Accounting-III
	PGCO M 110	Advanced Cost Accounting-II		PGCOM 210	Advanced Cost Accounting-IV
			Skill	This Pap all Stude	per is compulsory for ents
			Enhance ment Course	PGGEN 21	Basics of Information Technology
				PGGEN 22	Consumer Protection

	Semester III			Semester IV		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper	
Core	PGCO M301	Management Accounting -I	Core Compul- sory	PGCOM 401	Management Accounting -II	
Compul- sory	PGCO M302	Research Methodology-l		PGCOM 402	Research Methodology-II(Project Report)	
	To choo the follo	ose any one Group of owing:		To choo the follo	se any one Group of wing:	
	Group A	A		Group A	Group A	
	PGCO M 303	Advanced Accounting- V		PGCOM 403	Advanced Accounting- VII	
	PGCO M 304	Advanced Accounting- VI		PGCOM 404	Advanced Accounting- VIII	
	Group B			Group B		
Core	PGCO M 305	Marketing-V	Core Elective	PGCOM 405	Marketing-VII	
Elective	PGCO M 306	Marketing-VI		PGCOM 406	Marketing-VIII	
	Group C]	Group C		
	PGCO M 307	Business Administration-V		PGCOM 407	Business Administration-VII	
	PGCO M 308	Business Administration-VI		PGCOM 408	Business Administration-VIII	
	Group [Group D		Group D		
	PGCO M 309	Advanced Cost Accounting-V		PGCOM 409	Advanced Cost Accounting-VII	
	PGCO M 310	Advanced Cost Accounting-VI		PGCOM 410	Advanced Cost Accounting-VIII	
Ability	This Pa all Stud	This Paper is compulsory for all Students				
Enhance ment Course	PGGE N 31	Fundamentals of Investments				
	PGGEN 32	Income Tax Management				

5. Scheme of Examination:

The examination of regular students of M. Com. degree course of the Bharati Vidyapeeth (Deemed to be University), Pune, India admitted in the academic session 2018-19 and after shall be based on-

- (a) Semester Examinations,
- (b) Continuous Assessment,
- (c) Choice Based Credit System, and
- (d) Semester Grade Point Average and Cumulative Grade Point Average System

For each paper of 100 marks, there will be an Internal Assessment (IA) of 40 marks and the University Examination (UE) of 60 marks/3 hours duration at the end of each semester. A candidate who will secure atleast 40% of marks alloted to each paper will be given 4 credits. A candidate who does not pass the examination in any subject or subjects in one semester will be permitted to reappear in such failed subject or subjects along with the papers of following semesters.

The IA for each paper will be of 40 marks which will be carried out by the department during the term. The IA may be in the forms of written tests, seminars, term papers, presentations, assignments, orals or any such others. Here will be at least two types of assessments given above.

There shall be four semester examinations: first semester examination at the middle of the first academic year and the second semester examination at the end of the first academic year. Similarly, the third and fourth semester examinations shall be held at the middle and the end of the second academic year, respectively.

The candidates shall be permitted to proceed from the first semester up to final semester irrespective of their failure in any of the semester examinations subject to the condition that the candidates should register for all the arrear subjects of earlier semesters along with current (subsequent) semester subjects

At the end of each semester, a cumulative grade point(CGPA) & also semester grade point average(SGPA) will be calculated as a weighted average of the GPI of all course in which the student has passed till that semister.

6. Research Project Work:

There will be a Research Project to be prepared by a student during the fourth semester. The objective of the project work is to introduce students to research methodology in the subject and prepare them for pursuing research in theoretical or experimental or computational areas of the subject. The project work is to be undertaken under guidance of a teacher allotted to a student by the department.

Division of Marks

Synopsis with working bibliography (Internal Assessment) :	40 Marks
A full Project Report (Minimum 50-80 pages) :	40 Marks
Viva Voce :	20 Marks

As the Research Project is based on the self study done by the candidate and evaluated for 100 marks altogether, 6 credits will be awarded to a successful candidate in this subject. The project may be evaluated by two examiners ne internal and one external, selected from the panel of PG examiners of the University. The viva voce must be conducted by the teachers selected out of the panel of PG examiners maintained by the University.

The candidate has to submit the project Report on or before the date decleared by the depatment. The project report shall be typed and submitted in duplicate. A candidate who fails to submit the project may resubmit the same in the subsequent semester examination for evaluation. The project work activities must be duly supported by documentary evidence to be endorsed by the Head or Guide.

7. Standard of Passing:

A candidate shall be declared to have passed in the paper provided he/she has secured minimum GP of 4.5 in the UE and a GPA of 4.0 in agrregate of UE and IA taken together.

8. Classification of Successful Candidates:

Candidates who secured not less than 60% of aggregate marks (IA+UE) in the whole examination shall be declared to have passed the examination in the first class. All other successful candidates shall be declared to have passed in second

class. Candidates who obtain 70% of the marks in the aggregate (IA+UE) shall be deemed to have passed the examination in first class with distinction.

A student who passes in all the courses will be declared to have passed the M. Com. degree with the following honours.

`CGPA in [4.00, 4.99]	 Pass Class
CGPA in [5.00, 5.49]	 Second Class
CGPA in [5.50, 5.99]	 Higher Second Class
CGPA in [6.00, 7.99]	 First Class
CGPA in [8.00, 10.00]	 First Class with Distinction

9. Scheme of Credits:

Sixty (60) hours of teaching will lead to four credits (which mean four hours per week teaching in one semester) and long term paper as well as presentation will carry one credit each.

10. Medium of Instruction:

The medium of instruction and examination shall be in English. However, students can write their papers in Marathi also.

11. Extra Credits:

Regular students can also opt for extra credits if the departmental committee agrees. A student must at the commencement of the semester communicate which extra credits he/she is going to opt. A student can enroll for extra credits over and above the total 70 credits prescribed for the course by attending and appearing for the examination of the opted extra credits. However, in such case grades of the extra credit will not be counted for arriving at GPA.

The extra credit course can be selected from within the institute or any other faculties of Bharati Vidyapeeth University offering courses for Faculty of Arts, Social Sciences and Commerce or Faculty of Science, which will be declared at the commencement of session. Such extra credits will be mentioned separately in the grade sheet.

12. Grade Points Scheme:

The term grading system indicates a 10-point scale of evaluation of the performances of students in terms of marks obtained in the Internal and External Examination, grade points and letter grade. The total performance within a semester and continuous performance starting from the first semester are indicated respectively by Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA). Candidates who pass all the examinations prescribed for the course in the first appearance itself alone are eligible for Ranking.

The 10-point scale would be used to convert marks out of 100 to grades and grade points according to the following table:

Marks as Percentage	Grade	Grade Point
[75.0, 100]	0	10.0
[70.0, 74.9]	A+	9.0
[65.0,67.9]	A	8.0
[60.0,64.9]	B+	7.0
[55.0,59.9]	В	6.0
[50.0,54.9]	C+	5.5
[45.0,49.9]	С	5.0
[40.0,44.9]	D	4.5
[00.0, 39.9]	F	0.0

GRACING:

The gracing shall be done as per existing rules of the University.

VERIFICATION AND REVALUATION:

There is provision for verification and revaluation of the result. A student can apply for the verification and revaluation of the result within the two weeks from the declaration of the results with the prescribed fee. The verification and revaluation shall be done as per the existing rules of the University.

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			Development Fund	12	100	100	100	100	100	100	100	100	100	
			Medical Check up Fee	1	100	100	100	100	100	100	100	100	100	
			College Test & Tutorial Fee	10	50	50	50	50	50	50	50	50	50	
			Student Welfare and Insurance	6	50	50	50	50	50	50	50	50	50	uition fees \$ \$400, ar ar Mahara atory fee e
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BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY), PUNE, INDIA YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE & COMMERCE, PUNE-38

7.2 : FEE STRUCTURE

Under-Graduate & Post-Graduate (Non Grant Section) ACADEMIC YEAR 2020-2021

Sr.No	Class	Adm. Fee	Tuition Fee	Total Fee
1	F.Y. B.Sc. (Comp. Sc.)	500	27000	27500
2.	S.Y. B.Sc. (Comp. Sc.)	500	27000	27500
3.	T.Y. B.Sc. (Comp. Sc.)	500	27000	27500
4.	M.Sc. I (Chemistry)	500	35000	35500
5.	M.Sc. II (Chemistry)	500	35000	35500
6.	M.Sc. I (Microbiology)	500	35000	35500
7.	M.Sc. II (Microbiology)	500	35000	35500
8.	M.Sc. I (Computer Science)	500	35000	35500
9.	M.Sc. II (Computer Science)	500	35000	35500
10.	M.A. I (English) & Economics	500	11000	11500
11.	M.A. II (English) & Economics	500	11000	11500
12.	M.Com. I	500	11000	11500
13.	M.Com. II	500	11000	11500
14.	B.Lib & I.Sc.	500	10000	10500
15.	M.Lib & I.Sc.	500	14000	14500

NOTE :

- 1) Every International student has to pay Rs. 1,000/- as Medical Check up & HIV Test fees and Tuition fees five times than that of Maharashtrian student.
- 2) The International students seeking admission to Bachelor Degree should pay eligibility fee US \$400 and for Master Degree US\$ 500.

Refund of Fees

- 1. If a student submits his application for cancellation of admission in a prescribed form duly completed within 15 calendar days from the date of admission to that particular course, 10 per cent of the total amount of tuition fees prescribed for the course will be deducted from the amount of tuition fees paid by him.
- 2. If a student submits his application for cancellation of admission in a prescribed form duly completed within 30 calendar days from the date of admission to that particular course, 25 per cent of the total amount of tuition fees prescribed for the course will be deducted from the amount of tuition fees paid by him.

- 3. If a student submits his application for cancellation of his admission after 30 calendar days from the date of admission to that particular course no refund of fees will be made
- 4. Under no circumstances other fees paid by the student will be refunded either in part or in full except the amount of college and university development fund.
- 5. If any student admitted to any of course leaves the course at any time after 90 calendar days after the date of his admission to that course in an academic year, he/she will be required to pay full amount of tuition fees for the entire Year of the course.

Hostel Accommodation

Accommodation for boys and girls is available in the hostels. The students who have been admitted in the college will be eligible for admission in the hostel. They will have to apply separately in the prescribed form available in the hostel office.

• Refund of Deposits

A student should collect his/her deposit(s) within six months from the date of cancellation of his/her admission or within six months of completion of his/her course.

Grant of Terms

The student will be granted terms and allowed to appear at university examination provided he has kept satisfactory **attendance of 75% for each subject / course / paper**.

• Govt. Scholarships & Freeships

Eligible and deserving students can avail of the facilities of various Govt. scholarships which are awarded on the basis of merit at S.S.C/H.S.C. examination and income of parents. This facility is not applicable for B.Sc. Computer Science students & Post Graduate Courses.

Scholarships

- 1) National Merit Scholarship 2) National Loan Scholarship
- 3) State Govt./Central Government Open Merit Scholarship
- 4) Scholarship to Children of Primary and Secondary School Teachers
- 5) Talent Development in Maths and Physics Scholarship.
- 6) Freedom Fighter 7) Physically Handicapped Students Scholarship
- 8) Central Government Minority Scholarship
- 9) Single Girl Child Indira Gandhi Scholarship
- 10) North-East / State Government Scholarship

NOTE : It will be the sole responsibility of the student to apply for freeships/ scholarships in the prescribed form and before the prescribed date. The college will not be responsible for any loss of scholarship / freeship due to negligence on the part of the student. Merit scholarship/freeship will be awarded to the deserving students by the college.

• Extra Curricular Activities

The following extra curricular activities are provided to the students by the college.

1) National Cadet Corps (N.C.C.)

The College has N.C.C. facility.

2) National Service Scheme (N.S.S.) Interested students may join N.S.S.

- 3) Debating, Art Circle, Science Association, Commerce Association and Ladies Association.
- 4) Indoor, Outdoor Games

• Library

The college has a well equipped library. Needy and deserving students are given books under the Book-Bank Scheme.

Gymkhana

Adequate arrangements are made for games and sports. Special equipments are made available for the development of the Gymnasium Section. The facilities for following games are provided by the college.

Name of Games :

1) Basket Ball2) Soft Ball3) Foot Ball4) Holly Ball5) Hand Ball6) Cricket7) Table Tennis8) Chess9) Wrestling10) Athletics11) Swimming12) Gymnasium & Other Indian Games.

• Earn and Learn Scheme

Poor and meritorious students are given financial assistance under this scheme by providing some work to meet their expenses towards fees, books etc.

Medical Check-Up

A medical check up is compulsory for all the students.

• Student Safety Policy

Bharati Vidyapeeth Deemed University provides facility of student safety policy for students studying in the Bharati Vidyapeeth Deemed University.

8 : RULES OF DISCIPLINE

- Students should be regular and punctual in attending classes, tutorials and submission of the term-work in various subjects. Terms shall not be granted and a student shall not be certified for examination if his/her progress, conduct and attendance is not satisfactory.
- 2) Students, if found indulging in anti-national activities contrary to the provisions of the Acts & Laws enforced by Government will be liable to be expelled from the college without any notice by the Principal of the College.
- 3) Ragging of students in any form within or outside the College and hostel is strictly prohibited. Defaulters will be strictly dealt with as per Govt. instructions in this matter.
- 4) Smoking, drinking (alcohol) and use of drugs is strictly prohibited in the premises of the College and hostel.
- 5) Bicycles, scooters and vehicles should be parked only in areas provided for the purpose. The institute accepts no responsibility for their safe custody. Vehicles lodged elsewhere may be confiscated.
- 6) Any changes in the address of the student must be intimated by him in writing to the college office immediately.

- 7) Students must use aprons and uniforms of prescribed pattern while working in dissection hall, laboratories, class-room and in the college.
- 8) A student must carry Identity Card / Smart Card signed by the Principal and produce the same whenever asked by the College Authorities. Without Identity card / Smart Card students will not be allowed to enter the college premises.
- 9) A student is expected to read the notices put up on the notice board of the College. The College accepts no responsibility for loss of any advantage by student due to his failure to read the notice in time.
- 10) In case, a student requires to remain absent for some reasons, he/she will be required to take the prior permission of the Principal.
- 11) If any of the statement made in application form or any information supplied by the student in connection with his/her admission is later on, at any time found to be false or incorrect, his/her admission will be cancelled, fees forfeited and he/she will be expelled from the college by the Principal and prosecuted by Govt., if deemed necessary.
- 12) A student shall not go to the press or any other publicity media without permission of the Principal.
- 13) Any damage to the college property, apparatus, furniture, equipments, library books, building etc. must be paid immediately by the students.
- 14) Students must attend social and national events organised by the College such as 26th January, 10th May and 15th August, and all other declared national celebrations.
- 15) A student will be bound by the rules and regulations framed by the College / University from time to time.
- 16) No student will be allowed to appear for the university examination unless he/she has paid all his/her dues and completed his/her practical journals and has kept satisfactory attendance.
- 17) Principal reserves the right to prescribe from time to time any rule/s of discipline and accordingly take necessary disciplinary action.

Bharati Vidyapeeth Deemed University framed general discipline code of conduct for the admitted students in the college premises entitled as "Student Discipline and Conduct Rule 2008" under the provision of Article 24(h) rules of Vidyapeeth. Students are required to go through in above "Student Discipline and Conduct Rule 2008". The same is displayed on the notice board for the information of admitted students.

IMPORTANT NOTE

Attendance of International Students :

Office of the Commissioner of Police has made mandatory to the college to observe International students attendance in the college and send the monthly report of the

individual international student to the police (FRO). In this context, International students are appealed to be regular and punctual in attending classes, practical work, tutorials, submission of the term-work in various subjects. If the progress, conduct and attendance of any international student is not satisfactory his/her terms shall not be granted.

09 : Instructions to Newly admitted Students for Permanent Registration Number (PRN) Registration

- 1. Student need to visit the "www.bvuniversity.edu.in" website.
- 2. Click on **Student PRN No. generation** link under the Admission Notice Column.
- 3. Select **New Registration** link (1st time user only).
- 4. Select College / Faculty / Course / Specialization (if any) as per specified on College Fee receipt.
- 5. Now create USER by entering all the valid personal details. Use EMAIL ID as USER ID for further communication.
- 6. After successfully creation of USER, all the credentials will be send on mail (on registered mail ID).
- 7. Student now needs to login and with the valid credential to fill the form.
- 8. After login student needs to UPLOAD PHOTO, SIGNATURE and FEE RECEIPT in soft copy (Guidelines for uploading Images are given on the Website).
- 9. After uploading these documents, student will proceed on next page.
- 10. Student needs to enter personal details, local communication details, permanent communication details and educational details.
- 11. System will display the list of eligibility documents according to the course.
- 12. After completing these procedures student will able to see the application form, at this stage student can edit and update the information.
- 13. Student will submit the form and take print out of this form.
- 14. Student needs to submit this application form to the college office.
- 15. For existing students, the same procedure is applicable except they have to enter PRN number at the time of filling the form.
- 16. Kindly refer registration guide given on the website.
- 17. For any difficulties regarding PRN system, kindly contact **020-24407163** or mail on **bvusisprn@gmail.com**

Anti-Ragging Undertaking

As per the norms laid down by the Ministry of Human Resource Development, Governemnt of India and University Grants Commission, New Delhi all the students seeking admission first time in this College, have to submit Anti-Ragging undertaking online through the following websites :

1) www.antiragging.in 2) www.amanmovement.org

A student has to take print out of the same undertaking and attach the hard copy to admission form. Submission of Anti-Ragging Undertaking is mandatory to all newly admitted students.

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Внагат. У тупа в

Institutions of Bharati Vidyapeeth Bharati Vidyapeeth (Deemed to be University) Pune, India

Accredited with 'A+' Grade (3rd cycle) by NAAC, 'A' Grade University Status by MHRD, Govt. of India Accredited (2004) & Reaccredited (2011) with 'A' Grade by NAAC



CONSTITUENT INSTITUTIONS

• Medical College, Pune (with School of Optometry, School of Audiology and Speech Language Pathology and Centre for Health Management and Research, Pune) • Medical College & Hospital, Sangli • Dental College & Hospital, Pune • Dental College & Hospital, Navi Mumbai • Dental College & Hospital, Sangli • College of Ayurved, Pune • Homoeopathic Medical College, Pune • College of Nursing, Pune • College of Nursing, Navi Mumbai • College of Engineering, Pune • College of Architecture, Pune • Poona College of Pharmacy, Pune • Institute of Management & Entrepreneurship Development, Pune • Institute of Management and Research, New Delhi • Abhijit Kadam Institute of Management & Social Sciences, Solapur • Institute of Management and Rural Dev. Administration, Sangli • Yashwantrao Mohite Institute of Management, Karad • Institute of Hotel Management & Catering Technology, Pune • Yashwantrao Mohite College of Physical Education, Pune • Social Sciences Centre, Pune (Social Work) • Institute of Environment Education and Research, Pune • Interactive Research School for Health Affairs, Pune • Rajiv Gandhi Institute of Information Technology and Bio-Technology, Pune • Yashwantrao Chavan Institute of Social Science Studies & Research, Pune • Research and Development Centre in Pharmaceutical Sciences and Applied Chemistry, Pune.

Bharati Vidyapeeth – Higher Education (Institutions Affiliated to other Universities)

College of Engineering for Women, Pune • College of Fine Arts, Pune • Kala Mahavidyalaya, Pune • Jawaharlal Nehru Institute of Technology (Polytechnic), Pune • Institute of Pharmacy (Polytechnic), Pune • School of Photography, Pune • College of Engineering, Lavale, Pune • Institute of Management Studies & Research, Navi Mumbai • Institute of Management and Master of Computer Application and Information Technology, Navi Mumbai • College of Engineering, Navi Mumbai • College of Architecture and School of Designing and Decoration, Navi Mumbai • College of Pharmacy, Navi Mumbai • Institute of Technology (Poly), Navi Mumbai • Institute of Hotel and Tourism Management, Navi Mumbai • Institute of Technology (Poly), Navi Mumbai • Institute of Hotel and Tourism Management, Navi Mumbai • College of Engineering, New Delhi • Institute of Computer Application and Management, New Delhi • College of Pharmacy, Kolhapur • New Law College, Kolhapur • College of Engineering, Kolhapur • Dr. Patangrao Kadam Arts, Science & Commerce College (Jr., Sr., and P.G.), Sangli • Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya (Jr. & Sr.) Kadegaon (Sangli) • New Law College, Sangli • Institute of Technology (Poly), Palus (Sangli) • Loknete Mohanrao Kadam College of Agriculture, Kadegaon (Sangli) • Yashwantrao Chavan Law College, Karad

School of Bharati Vidyapeeth

Bal Viikas Mandir (Marathi Medium) – Erandwane, Pune – 38, Navi Mumbai, Solapur • Primary, Secondary Schools and Junior Colleges (Marathi Medium) at different places such as in Pune, Solapur, Raigad, Satara, Sangli, Kolhapur, Palghar and other places • Ravindranath Tagore School of Excellence, Pre-Primary and Primary Schools, Balewadi, Pune • Pre Primary, Primary, High Schools and Senior Secondary Schools(English Medium), Erandwane, Pune, Dhankawadi, Pune, Lohegaon, Pune, Navi Mumbai, Jawhar, Dist. Palghar, Vikramgadh, Dist. Satara, Kolhapur, Vita, Dist. Sangli, Kadegaon, Dist. Sangli • Residential CBSC School (English Medium)Pachgani, Dist. Satara • Primary and Secondary Ashram Schools, Jawhar, Dist. Palghar
Industrial Training Institute for Girls, Kadegaon (Sangli).

Associate Institutions

• Bharati Vidyapeeth English-Maths Exam Department • Bharati Vidyapeeth's Bharati Printing Press • Bharati Sahakari Bank Ltd. • Bharati Madhyawarti Sahakari Grahak Bhandar Ltd. • Sonhira Sahakari Sakhar Karkhana Ltd., Wangi, Kadegaon, Dist. Sangli • Sagareshwar Sahakari Soot Girni Ltd., Kadegaon, Dist. Sangli • Krishna Verala Sahakari Soot Girni Ltd., Kundal-Palus, • Sou. Vijaymala Patangrao Kadam Mahila Auodyogik Sahakari Santha, Kadegaon, Dist. Sangli • Mahatma Gandhi Hospital & Research Centre I Bharati Vidyapeeth Medical Foundation • Bharati Hospital & Research Centre • Eye Bank • Mobile Health Care Unit & Ambulance • Foundation for Rural Development • Bharati Vidyapeeth Krida Pratishthan • Bharati Vidyapeeth Kala Academy • Sonhira Milk Producers and Allied Agro Co-op. Soc. Ltd., Kadegaon • Sonhira Co-op. Poultry Society Ltd., Kadegaon, Dist. Sangli

Where the mind is without fear and The head is held high; Where knowledge is free; Where the world has not been broken Up into fragments by narrow domestic walls; Where words come out from the depth of truth... Where the clear stream of reason has Not lost its way into the dreary desert Sand of dead habit... Into that heaven of freedom, my Father, let my country awake.

- Rabindranath Tagore



Bharati Vidyapeeth (Deemed to be University), Pune YASHWANTRAO MOHITE COLLEGE, PUNE

SCIENCE