"Social Transformation Through Dynamic Education"

BHARATI VIDYAPEETH DEEMED UNIVERSITY, PUNE (INDIA)

YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE & COMMERCE

Erandwane, Pune- 411 038

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

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(Established in 1978)

Dr. K. D. JADHAV

M.Sc., M.Phil., Ph.D.

PRINCIPAL

PROSPECTUS-CUM-HANDBOOK

2017 - 18

SENIOR COLLEGE

(Under Graduate & Post Graduate Courses)

Price Rs. 300/-

BHARATI VIDYAPEETH DEEMED 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.

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

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INTRODUCTION

BHARATI VIDYAPEETH

    Bharati Vidyapeeth, the parent body of **Bharati Vidyapeeth Deemed 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.

BHARATI VIDYAPEETH DEEMED UNIVERSITY, PUNE

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 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.

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.Sc., B.Sc. (Computer Science), B.Com., M.A. (English), 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, Marathi, Geography, Sociology, Political Science, Physics, Chemistry, Botany, Microbiology, Mathematics, 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.

In addition, two UGC sponsored Career Oriented Courses in (1) Spoken English (2) Identification and Preservation of Medicinal Plants are introduced for enhancing the employability skills of the students.

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. Twelve 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.

ADMISSION TO THE COLLEGE (UG)

1) A student seeking admission to the college in the first year of the B.A./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.

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

1) **FIRST YEAR ARTS :**

   A candidate who has passed Higher Secondary School Certificate examination of the Maharashtra State Board of Higher Secondary Education or its equivalent examination of any other Statutory Board / University with English as a compulsory subject shall be eligible for admission to F.Y.B.A. class.

2) **FIRST YEAR SCIENCE :**

   i) A candidate who has passed Higher Secondary School Certificate Examination in Science of the Maharashtra State Board of Higher Secondary Education or its equivalent examination of any other Statutory Board / University and has passed in English and in three Science subjects out of (i) Physics (ii) Chemistry (iii) Biology (iv) Mathematics (v) Geography (vi) Geology etc shall be eligible for admission to F.Y. B.Sc. class.

   ii) A candidate who has passed Highter Secondary School Certificate Examination (10+2) with English and any one of the following vocational subjects is also eligible for admission to the F.Y.B.Sc. class.

S.N.	Subject Code	Vocational Subjects	S.N.	Subject Code	Vocational Subjects
1	79	Auto Electrical	9	J1/J2/J3	Electronics Technology
2	A1	Electrical Maintenance	10	J4/J5/J6	Maintenance and Repairs of Electrical Domestic Appliances
3	A2	Mechanical Maintenance	11	K1/K2/K3	Auto Engg. Technology
4	A4	General Civil Engg.	12	P1/P2/P3	Medical Lab. Technician
5.	C2	Electronics	13	P4/P5/P6	X-Ray Technician
6.	C3	Chemical Plant Operation	14	P7/P8/P9	Ophthalmic Technician
7.	C5	Elementary Lab. Technology	15	T1/T2/T3	Maintenance, Repairs and Rewinding of Electrical Motors
8.	D9	Computer Science			

iii) A candidate who has passed Diploma in Pharmacy, Diploma in Engineering (Polytechnic) or its equivalent examination recognized by MSBTE, Mumbai or its equivalent of any other Statutory Board or University shall be eligible for admission to F.Y.B.Sc. class.

3) FIRST YEAR SCIENCE (Computer Science) :

i) A candidate who has passed Higher Secondary School Certificate Examination of the Maharashtra State Board of Higher Secondary Education or its equivalent examination of any other Statutory Board / University and who has passed in English, Physics and Mathematics shall be eligible for admission to the First Year B.Sc. (Computer Science).

ii) A candidate who has passed H.S.C. examination (10+2) with English, Physics, Mathematics and any one of the following vocational subjects is also eligible for admission of F.Y.B.Sc. (Computer Science) course.

Subject Code	Subject
97	Information Technology
D9	Computer Science

iii) Even a student who has completed Diploma course in Computer Science, Electronics and Information Technology is also eligible for admission to F.Y.B.Sc. (Computer Science) class.

4) FIRST YEAR COMMERCE :

A candidate who has passed the Higher Secondary School Certificate Examination of Commerce or Science of the Maharashtra State Board or Higher Secondary Examination of its equivalent of any other Statutory Board or University with English as a compulsory subject shall be eligible for admission to F.Y.B.Com. class.

COURSE STRUCTURE (DEGREE PROGRAMME)
BACHELOR OF ARTS (CBCS) (2016 Course)

F. Y. B. A. Semester - I & II (CBCS) (2016 Course)

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 Semester-I.

1) Subject in Core Course is compulsory.

2) A student has to offer five subjects from Elective Courses given below.

3) A student has to offer Foundation Course as a compulsory subject in Semester-I.

F.Y. B.A. Semester - I (CBCS 2016 Course)		F.Y. B.A. Semester - II (CBCS 2016 Course)	
Code	**Subject Title**	**Code**	**Subject Title**
	Core Course		**Core Course**
A 101	Compulsory English – I	A 201	Compulsory English – II
	Elective Courses		**Elective Courses**
	Any five of the following :		**Any five of the following :**
A111	English (G1) – I	A211	English (G1) – II
A121	Economics (G1) – I	A221	Economics (G1) – II
A131	Marathi (G1) – I	A231	Marathi (G1) – II
A141	Geography (G1) – I	A241	Geography (G1) – II
A151	Political Science (G1) – I	A251	Political Science (G1) – II
A161	Sociology (G1) – I	A261	Sociology (G1) – II
	Foundation Course **(This course is compulsory for all students.)**		
UGF11	Basics of Information Technology		

S. Y. B. A. Semester - III & IV (CBCS) (2016 Course)

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.

2) 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.

3) 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.

4) A Student has to offer foundation course as a compulsory subject in Semester III.

5) As per the order of Honourable Supreme Court of India, module course in Environment Studies in Semester IV is compulsory subject for every undergraduate student.

S.Y. B.A. Semester - III (CBCS 2016 Course)		S.Y. B.A. Semester - IV (CBCS 2016 Course)	
Code	Subject Title	Code	Subject Title
	Core Courses		**Core Courses**
A301	Compulsory English – I	A401	Compulsory English – II
	Any One group from the following:		**Any One group from the following:**
	A) Special Level: English		**A) Special Level: English**
A311	English (G2) – I	A411	English (G2) – II
A312	English (S1) – I	A412	English (S1) – II
A313	English (S2) – I	A413	English (S2) – II
	B) Special Level: Economics		**B) Special Level : Economics**
A321	Economics (G2) – I	A421	Economics (G2) – II
A322	Economics (S1) – I	A422	Economics (S1) – II
A323	Economics (S2) – I	A423	Economics (S2) – II
	C) Special Level: Marathi		**C) Special Level: Marathi**
A331	Marathi (G2) – I	A431	Marathi (G2) – II
A332	Marathi (S1) – I	A432	Marathi (S1) – II
A333	Marathi (S2) – I	A433	Marathi (S2) – II

D) Special Level: Geography

A341	Geography (G2) – I
A342	Geography (S1) – I
A343	Geography (S2) – I

E) Special Level: Political Science

A351	Political Science (G2) – I
A352	Political Science (S1) – I
A353	Political Science (S2) – I

F) Special Level: Sociology

A361	Sociology (G2) – I
A362	Sociology (S1) – I
A363	Sociology (S2) – I

Elective Courses

Any Two from the following which are not included in core courses:

A311	English (G2) – I
A321	Economics (G2) – I
A331	Marathi (G2) – I
A341	Geography (G2) – I
A351	Political Science (G2) – I
A361	Sociology (G2) – I

Foundation Course

(This course is compulsory for all students.)

UGF31	Women Empowerment and Gender Justice

D) Special Level: Geography

A441	Geography (G2) – II
A442	Geography (S1) – II
A443	Geography (S2) – II

E) Special Level: Political Science

A451	Political Science (G2) – II
A452	Political Science (S1) – II
A453	Political Science (S2) – II

F) Special Level: Sociology

A461	Sociology (G2) – II
A462	Sociology (S1) – II
A463	Sociology (S2) – II

Elective Courses

Any Two from the following which are not included in core courses:

A411	English (G2) – II
A421	Economics (G2) – II
A431	Marathi (G2) – II
A441	Geography (G2) – II
A451	Political Science (G2) – II
A461	Sociology (G2) – II

Module Course in Environment Studies

COURSE STRUCTURE (DEGREE PROGRAMME)
BACHELOR OF SCIENCE (CBCS) (2016 Course)

F. Y. B. Sc. Semester - I and II (CBCS) from Academic Year 2016-17

1. Student can select any one group from the following Core Groups

    - 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)
    - Group V : Chemistry, Zoology, Microbiology and Geography (CZMG)

2. A student has to offer foundation course as a compulsory subject in Semester-I.

F.Y. B.Sc. Semester - I (CBCS 2016 Course)		F.Y. B.Sc. Semester - II (CBCS 2016 Course)	
Code	**Subject Title**	**Code**	**Subject Title**
	Core Course		**Core Course**
	Physics		**Physics**
P - 11	Mechanics & Properties of Matter	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**
C - 11	Physical and Inorganic Chemistry – I	C - 21	Physical & 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**
B - 11	Plant Diversity and Utilization of Plants – I	B - 21	Plant Diversity and Utilization of Plants – II
B - 12	Cell Biology	B - 22	Industrial Botany-I
B - 13	Practical Course – I	B - 23	Practical Course – II
	Zoology		**Zoology**
Z - 11	Animal Systematic and Functional Anatomy of Non-chordates – I	Z - 21	Functional Anatomy of Chordates-I
Z - 12	Cell Biology and Genetics	Z - 22	Applied Zoology (Vermiculture and Sericulture)
Z - 13	Practical Course – I	Z - 23	Practical Course – II

Microbiology

MB-11 Introduction to Microbiology

MB-12 Structure of Prokaryotes and Eukaryotes

MB-13 Practical Course - I

Mathematics

M - 11 Algebra

M - 12 Calculus

M - 13 Practical Course - I

Statistics

S - 11 Descriptive Statistics - I

S -12 Discrete Probability and Probability Distributions – I

S - 13 Practical Course - I

Geography

G - 11 Physical Geography - I

G - 12 Climatology - I

G - 13 Practical Course - I

Computer Application

CA-11 Computer Fundamentals

CA-12 Programming in C -I

CA- 13 Practical Course - I

Foundation Course

(This course is compulsory for all students.)

UGF-12 Youth Development

Microbiology

MB-21 Microbial Nutrition, Growth and Control

MB-22 The Diversity of Microbial World

MB- 23 Practical Course – II

Mathematics

M - 21 Analytical Geometry

M - 22 Integral Calculus and Differential Equations

M - 23 Practical Course – II

Statistics

S - 21 Descriptive Statistics-II

S - 22 Discrete Probability and Probability Distributions-II

S - 23 Practical Course – II

Geography

G - 21 Physical Geography – II

G - 22 Oceanography

G - 23 Practical Course – II

Computer Application

CA-21 Operating Environment

CA-22 Programming in C -II

CA- 23 Practical Course – II

S. Y. B. Sc. Semester - III and IV (CBCS) from Academic Year 2017-18

1. Student can select any group from the following core groups.

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

   Group II :- Physics, Mathematics and Statistics (PMS)

   Group III :- Physics, Mathematics and Computer Application (PMCA).

   Group IV :- Mathematics, Statistics and Computer Application (MSCA)

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

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

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

   Group VIII :- Botany, Zoology and Microbiology (BZM)

   Group VIII :- Zoology, Microbiology and Geography (ZMG)

2. A student has to offer foundation course as a compulsory subject in Semester III.

3. As per the order of Honourable Supreme Court of India, module course in Environment studies in Semester IV is compulsory subject for every undergraduate student.

S.Y. B.Sc. Semester - III (CBCS 2016 Course)		S.Y. B.Sc. Semester - IV (CBCS 2016 Course)	
Code	Subject Title	Code	Subject Title
	Core Course		**Core Course**
	Physics		**Physics**
P - 31	Mathematical Methods for Physics	P - 41	Waves & Oscillations
P – 32	Optics	P - 42	Electronics
P - 33	Practical Course - III	P - 43	Practical Course – IV
	Chemistry		**Chemistry**
C-31	Physical and Analytical Chemistry – III	C-41	Physical and Analytical Chemistry – IV
C-32	Organic and Inorganic Chemistry - III	C-42	Organic and Inorganic Chemistry - IV
C - 33	Practical Course-III	C - 43	Practical Course-IV
	Botany		**Botany**
B –31	Plant Systematics & Plant Embryology	B –41	Plant Biotechnology
B –32	Development Botany & Embryology	B –42	Plant Physiology
B -33	Practical Course - III	B -43	Practical Course - IV

Zoology

Z-31 Functional Anatomy of Non-chordates-II and Biodiversity

Z-32 Histology of Mammals

Z-23 Practical Course - III

Microbiology

MB-31 Microbial Metabolism

MB -32 Bacterial Genetics

MB- 33 Practical Course - III

Mathematics

M-31 Calculus of Several Variables

M-32 Group Theory and Differential Equations

M – 33 Practical Course - III

Statistics

S-31 Probability Distributions And Statistical Inference-I

S-32 Probability Distributions And Statistical Methods- I

S- 33 Practical Course - III

Geography

G - 31 Human Geography-I

G – 32 Biogeography - I

G- 33 Practical Course - III

Computer Application

CA -31 Advanced C Concepts -I

CA -32 Digital Electronics I

CA- 33 Practical Course - III

Elective Course

Any one of the following.

SEC-31 English –I

SEC-32 Marathi – I

Foundation Course

(This course is compulsory for all students.)

UGF-32 Cyber Law

Zoology

Z –41 Functional Anatomy of chordates-II

Z - 42 Physiology of Mammals

Z- 43 Practical Course - IV

Microbiology

MB 41 Principles of Disease, Epidemiology and Immunology

MB 42 Applied Microbiology

MB- 43 Practical Course - IV

Mathematics

M-41 Vector Calculus

M-42 Complex variables

M – 43 Practical Course - IV

Statistics

S-41 Probability Distributions And Statistical Inference-II

S-42 Probability Distributions And Statistical Methods-II

S- 43 Practical Course - IV

Geography

G - 41 Human Geography-II

G – 42 Biogeography - II

G- 43 Practical Course - IV

Computer Application

CA -41 Advanced C Concepts –II

CA -42 Digital Electronics II

CA- 43 Practical Course – IV

Elective Course

Any one of the following.

SEC-41 English –II

SEC-42 Marathi - II

Module Course in Environment Studies

COURSE STRUCTURE (DEGREE PROGRAMME)
BACHELOR OF COMPUTER SCIENCE (CBCS) (2016 Course)

F.Y. B.Sc. (Computer Science) Semester I and II (CBCS) from academic year 2016-17

1. All core courses are compulsory.
2. A student has to choose any two courses from elective courses.
3. A student has to offer foundation course as a compusory subject in Semester-I

F.Y. B.Sc. (Comp. Sc.) Semester - I (CBCS 2016 Course)		F.Y. B.Sc. (Comp. Sc.) Semester - II (CBCS 2016 Course)	
Code	**Title of the papers**	**Code**	**Title of the papers**
	Core Courses		**Core Courses**
CS -11	Introduction to RDBMS	CS -21	RDBMS using oracle
CS -12	Programming in C - I	CS -22	Programming in C - II.
CS -13	Mathematical Foundation of Computer Science	CS -23	Graph Theory
		CS -24	Algebra-II
CS -14	Algebra -I	CS -25	Principles of Analog Electronics - II
CS -15	Principles of Analog Electronics - I	CS -26	Principles of Digital Electronics -II
CS-16	Principles of Digital Electronics -I	CSII- LI	Lab Course on Oracle-II
CSI- LI	Lab Course on Oracle-I	CSII- LII	Lab Course on C-II
CSI- LII	Lab Course on C-I	CSII-LIII	Lab Course on Electronics-II
CSI-LIII	Lab Course on Electronics I		**Elective Courses**
	Elective Courses		**Any Two from the following:**
	Any Two from the following:	CS -27	Computer Oriented Statistical Techniques -II
CS -17	Computer Oriented Statistical Techniques -I	CS-28	Compulsory English -II
CS-18	Compulsory English -I	CS-29	Operating Environment
CS-19	Elementary Algoritmics		
	Foundation Course (This course is compulsory for all students.)		
UGF-12	Youth Development		

S.Y. B.Sc. (Computer Science) Semester III and IV (CBCS) from academic year 2017-18

1. All core courses are compulsory.
2. A student has to offer foundation course as compulsory subject in Semester III.
3. As per the order of Honourable Supreme Court of India, module course in Environment Studies in Semester IV is compulsory subject for every undergraduate student.

S.Y. B.Sc. (Comp. Sc.) Semester - III (2016 Course)		S.Y. B.Sc. (Comp. Sc.) Semester - IV (2016 Course)	
Code	Subject Title	Code	Subject Title
	Core Courses		**Core Courses**
CS -31	Object Oriented Programming with C++	CS -41	Data Structures using C++
CS -32	Introduction to .Net using C#	CS -42	ASP.Net
CS -33	Linear Algebra	CS -43	Computational Geometry
CS -34	Computer Oriented Numerical Methods	CS -44	Optimization Techniques
CS -35	Digital Systems and Microprocessors	CS -45	8051 Microcontroller
CS -36	Principles of Communication	CS -46	Analog Systems
CSIII- LI	Lab Course on C++ and Data Structures -I	CSIV-LI	Lab Course on C++ and Data Structures -II
CSIII- LII	Lab Course on .NET -I	CSIV- LII	Lab Course on .NET -II
CSIII- LIII	Lab Course on Electronics -I	CSIV-LIII	Lab Course on Electronics –II
	Elective Courses		**Elective Courses**
	Any One from the following:		**Any One from the following:**
CS -37	Cloud Computing -I	CS -47	Cloud Computing -II
CS -38	Data Warehousing and Data Mining-I	CS -48	Data Warehousing and data Mining - II
	Foundation Course		
	(This course is compulsory for all students.)		**Module Course in Environment Studies**
UGF 32	Cyber Law		

COURSE STRUCTURE (DEGREE PROGRAMME)
BACHELOR OF COMMERCE (CBCS) (2016 Course)

F.Y. B.Com. Semester I and II (CBCS) from academic year 2016-17

1. All core courses are compulsory.
2. A student has to offer one course from C106 & C107.
3. A student has to offer one course from C111, C121 & C131.
4. A student has to offer one course from C102 & C103.
5. A student has to offer foundation course as a compusory subject in Semester-I
6. The subjects offered in Semester-I shall be continued for Semester-II.
7. All elective courses have compulsory practical examination of 10 marks each at the end of each semester.

F. Y. B. Com. Semester - I (CBCS 2016 Course)		F. Y. B. Com. Semester - II (CBCS 2016 Course)	
Code	Subject Title	Code	Subject Title
Core Courses		**Core Courses**	
C101	Compulsory English I	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		**Elective Courses**	
To choose any one of the following:		**To choose any one of the following:**	
C106	Business Mathematics & Statistics I	C206	Business Mathematics & 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	C211	Corporate Law II
C121	Banking and Insurance I	C221	Banking and Insurance II
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
Foundation Course			
(This course is compulsory for all students.)			
UGF11	Basics of Information Technology		

The students seeking admission to First Year B.Com. course are eligible for 3 years :

A) Diploma in Marketing   OR
B) Diploma in Banking

S.Y. B.Com. Semester III and IV (CBCS) from academic year 2017-18

1. All core courses are compulsory.
2. A student has to offer foundation course as compulsory subject in Semester III
3. As per the order of Honourable Supreme Court of India, module course in Environment Studies in Semester IV is compulsory subject for every undergraduate student.
4. All elective courses have compulsory practical examination of 10 marks each at the end of each semester.

S.Y. B.Com. Semester - III (CBCS 2016 Course)		S.Y. B.Com. Semester - IV (CBCS 2016 Course)	
Code	Subject Title	Code	Subject Title
	Core Courses		**Core Courses**
C308	Corporate Accounting I	C408	Corporate Accounting II
C309	Communication Skills I	C409	Communication Skills II
C310	Principles of Business Management I	C410	Principles of Business Management II
C304	Business Economics III	C404	Business Economics IV
	Elective Courses		**Elective Courses**
	To choose any one of the following:		**To choose any one of the following:**
C311	Corporate Law III	C411	Corporate Law IV
C321	Banking and Insurance III	C421	Banking and Insurance IV
C331	Marketing III	C431	Marketing IV
	To choose any one of the following:		**To choose any one of the following:**
C341	Cost & Management Accounting I	C441	Cost & Management Accounting II
C351	Business Entrepreneurship I	C451	Business Entrepreneurship II
C361	E-Commerce I	C461	E-Commerce II
C371	Business Administration I	C471	Business Administration II
	Foundation Course (This course is compulsory for all students.)		
UGF 22	Gender Equality		**Module Course in Environment Studies**

❖ SCHEME OF EXAMINATION (CBCS –2016 Course) ❖

FOR ALL UNDERGRADUATE PROGRAMMES (CBCS)

- **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 2016-17 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 -

1. 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.

● **Career Oriented Courses**

a. **Career Oriented Courses in Spoken English** (Applicable to Arts & Commerce Faculty only)

A student admitted to B.A. and B.Com. Semester-I shall enroll for Career Oriented Course in Spoken English. He/She has to apply for this certificate course in the prescribed form. The duration of this course is of one year and can be completed along with B.A. and B.Com. degree. The medium of instruction and evaluation shall be English.

b. **Career Oriented Courses in Identification and Preservation of Medicinal Plants** (Applicable to Science Faculty only)

A student admitted to B.Sc. Semester-I shall enroll for Career Oriented Course in Identification and Preservation of Medicinal Plants. He/She has to apply for this certificate course in the prescribed form. The duration of this course is of one year and can be completed along with B.Sc. degree. The medium of instruction and evaluation shall be English.

● **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.

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

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

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 ≤ Marks ≤ 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= $\frac{\Sigma\ Ck\ x\ GPk}{\Sigma Ck}$ where Ck is the credit-value 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=$\frac{\Sigma\ Ck\ x\ GPk}{\Sigma Ck}$, where *Ck* is the credit-value 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.

The Formula to compute equivalent percentage marks for specified CGPA

% Marks (CGPA) =	10 × CGPA – 10	if 5.00 ≤ CGPA ≤ 6.00
	5 × CGPA+ 20	if 6.00 ≤ CGPA ≤ 8.00
	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

● **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	80 ≤ Marks ≤ 100	O	Outstanding	First Class with Distinction
9.00 ≤CGPA≤ 9.49	70 ≤ Marks < 80	A+	Excellent	
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	B	Average	Second Class
5.00 ≤CGPA≤ 5.99	40 ≤ Marks < 50	C	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 admitted 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.

Course No.	Course Name	No. of Credits	University Examination		Internal Assessment		Grade Point Average	Result
			Grade	Grade Point	Grade	Grade Point		
1								
2								
3								
4								
5								
6								
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.								

RULES REGARDING ADMISSION TO
T.Y. : B.A./B.Sc./B.Sc.(Computer Sc.)/B.Com.

(Semester System 2014 Course)

1) **T.Y. B.A.**

A student will be allowed to keep terms at T.Y. B.A. level if

i)   he/she fails in not more than **four heads** of passing in courses at third and fourth semesters taken together.

ii)   he/she clears in all heads of passing at F.Y.B.A. Semester-I and Semester-II.

2) **T.Y. B.Sc.**

A student will be allowed to keep terms at T.Y. B.Sc. level, if

i)   he/she fails in not more than **six heads** of passing in courses at third and fourth semesters taken together.

ii)   he/she clears in all heads of passing at F.Y.B.Sc. Semester-I and Semester-II.

3) **T.Y. B.Sc. (Computer Science)**

A student will be allowed to keep terms at T.Y. B.Sc. (Computer Science) level

i)   If he/she fails in not more than **five heads** of passing in courses at Semester third and fourth taken together

ii)   he/she clears in all heads of passing at Semester - I and Semester - II.

4) **T.Y. B.Com.**

A student will be allowed to keep the terms at T.Y. B.Com. level if

i)   he/she fails in not more than **four heads** of passing in the courses at Semester III and IV taken together.

ii)   he/she clears in all heads of pasing at F.Y. B.Com. Semester I and II.

● BACHELOR OF ARTS (Semester System 2014 Course) ●

T.Y.B.A. :

The student studying for T.Y.B.A. (Special) degree shall study the subjects at Third Year B.A. level as given below.

1) Compulsory English
2) Five papers of the special subjects.

T.Y. B.A. Semester - V (2014 Course)		T.Y. B.A. Semester - VI (2014 Course)	
Code	**Subject Title**	**Code**	**Subject Title**
A501	Compulsory English - I	A601	Compulsory English - II
	Special Level: English		**Special Level: English**
A511	Understanding Drama - I	A611	Understanding Drama - II
A512	Understanding Fiction - I	A612	Understanding Fiction - II
A513	Speaking and Writing Skills in English - I	A613	Speaking and Writing Skills in English - II
A514	Literary Criticism: Theory and Practice - I	A614	Literary Criticism: Theory and Practice - II
A515	Structure and Function of Modern English - I	A615	Structure and Function of Modern English - II
	Special Level: Marathi		**Special Level: Marathi**
A521	एका अर्वाचीन वाङ्मय प्रकाराचा अभ्यास – कादंबरी – ।	A621	एका अर्वाचीन वाङ्मय प्रकाराचा अभ्यास – कादंबरी – ।।
A522	साठोत्तरी साहित्य : सामाजिक व सांस्कृतिक पर्यावरण – ।	A622	साठोत्तरी साहित्य : सामाजिक व सांस्कृतिक पर्यावरण – ।।
A523	साहित्य सिद्धांतांची ओळख – ।	A623	साहित्य सिद्धांतांची ओळख – ।।
A524	भाषा विज्ञान – ।	A624	भाषा विज्ञान – ।।
A525	संज्ञापन कौशल्ये आणि जनसंवाद माध्यमे – ।	A625	संज्ञापन कौशल्ये आणि जनसंवाद माध्यमे – ।।
	Special Level: Geography		**Special Level: Geography**
A531	Resource and Environment-I	A631	Resource and Environment-II
A532	Geography of Tourism-I	A632	Geography of Tourism-II
A533	Geography of India-I	A633	Geography of India-II
		A634	Practical Course-II
		A635	Practical Course-III

Special Level: Political Science		**Special Level: Political Science**	
A541	Public Administration - I	A641	Indian Administration
A542	International Politics - I	A642	International Organisation
A543	Comparative Govt. and Politics - I	A643	Indian Foreign Policy
A544	Western Political Thought - I	A644	Western Political Thought - II
A545	Political Sociology - I	A645	Political Ideologies
Special Level: Sociology		**Special Level: Sociology**	
A551	Population and Society - I	A651	Social Change in India
A552	Crime and Society - I	A652	Indian Social Problems
A553	Introduction to Social Welfare	A653	Social Legislation in India
A554	Industrial Sociology - I	A654	Labour Legislation In India
A555	Social Movements in India	A655	Social Movements in Maharashtra
Special Level : Economics		**Special Level: Economics**	
A561	Development and Environmental Economics - I	A661	Development and Environmental Economics - II
A562	International Economics - I	A662	International Economics - II
A563	History of Economic Thoughts - I	A663	History of Economic Thoughts - II
A564	Banking and Financial Markets - I	A664	Banking and Financial Markets - II
A565	Business Environment - I	A665	Business Environment - II

● BACHELOR OF SCIENCE (Semester System) (2014 Course) ●

T. Y. B.Sc. Semester - V (2014 Course)		T. Y. B.Sc. Semester - VI (2014 Course)	
Code	Subject Title	Code	Subject Title
Physics		**Physics**	
P - 51	Mathematical Methods for Physics	P - 61	Classical Electrodynamics
		P - 62	Atomic and Molecular Physics
P - 52	Quantum Mechanics	P - 63	Nuclear Physics
P - 53	Solid State Physics	P - 64	Computational Physics
P - 54	Advanced Electronics	P - 65	Thermodynamics & Statistical Physics
P - 55	Classical Mechanics	P - 66	**Elective II (Select any one)**
P - 56	**Elective I (Select any one)**	A	Physics of Nano Materials
A	Elements of Materials Science	B	Renewable Energy Sources
B	Lasers	C	Communication and Electronics II
C	Communication & Electronics I	D	Digital Electronics II
D	Digital Electronics I	E	Microcontrollers
E	Microprocessors	**Lab Course**	
Chemistry		P - III	Practical Course - III
		P - IV	Practical Course - IV
C - 51	Physical Chemistry	P - V	Practical Course - V
C - 52	Inorganic Chemistry	**Chemistry**	
C - 53	Organic Chemistry	C - 61	Physical Chemistry
C - 54	Analytical Chemistry	C - 62	Inorganic Chemistry
C - 55	Industrial Chemistry	C - 63	Organic Chemistry
		C - 64	Analytical Chemistry
		C - 65	Industrial Chemistry
		C - 66	Environmental Chemistry
Optional Course		**Optional Course**	
C - 56	Environment Chemistry	C - 66	Environment Chemistry
C - 57	Nuclear Chemistry	C - 67	Nuclear Chemistry
C - 58	Polymer Chemistry	C - 68	Polymer Chemistry
		Lab Course	
		C - III	Practical Course - III
		C - IV	Practical Course - IV
Botany		C - V	Practical Course - V
B - 51	Biology of Cryptogams (Algae & Fungi)	**Botany**	
		B - 61	Biology of Cryptogams (Bryophyta & Pteridophyta)
B - 52	Biology of Seed Plants (Angiosperms)	B - 62	Biology of Seed Plants (Gymnosperms & Paleobotany)
		B - 63	Environmental Biology
		B - 64	Palynology & Plant Breeding

B - 53	Plant Pathology and Plant Protection		B - 65	Industrial Botany II
B - 54	Genetics and Biostatistics		B - 66	i) Horticulture & Gardening - II
B - 55	Molecular Biology and Biochemistry			OR
B - 56	i) Aerobiology			ii) Medico Botany
	ii) Medico Botany		**Lab Course**	
			B - III	Practical Course - III
Zoology			B - IV	Practical Course - IV
Z - 51	Developmental Biology		B - V	Practical Course - V
Z - 52	Genetics and Evolution		**Zoology**	
Z - 53	Applied Zoology-Apiculture and Inland Fisheries		Z - 61	General Embryology
			Z - 62	Toxicology
Z - 54	Parasitology		Z - 63	Biological Techniques
Z - 55	Ecology and Environmental Pollution		Z - 64	Functional Anatomy of Chordates-III
Z - 56	Biochemistry & Molecular Biology		Z - 65	Economic Entomology
			Z - 66	Biotechnology
Microbiology			**Lab Course**	
MB-51	Medical Microbiology		Z - III	Practical Course - III
MB-52	Clinical Pathology		Z - IV	Practical Course - IV
MB-53	Food and Dairy Microbiology		Z - V	Practical Course - V
MB-54	Virology		**Microbiology**	
MB-55	Genetics of Prokaryotes		MB-61	Chemotherapy & Biomedical Instrumentation
MB-56	Enzyme Kinetics and Regulation		MB-62	Immunology
			MB-63	Biotechnology
Mathematics			MB-64	Agricultural & Environmental Microbiology
M - 51	Real Analysis-I		MB-65	Genetics of Eukaryotes and Gene Manipulation
M - 52	Abstract Algebra-I		MB-66	Microbial Metabolism and Biochemical Evolution
M - 53	Discrete Mathematics –I		**Lab Course**	
M - 54	Differential Geometry - I		MB-III	Practical Course - III
M - 55	Principles of Computer Science -I		MB-IV	Practical Course - IV
	OR		MB-V	Practical Course - V
	Computational Mathematics-I		**Mathematics**	
M - 56	Operation Research-I		M - 61	Real Analysis - II
	OR		M - 62	Abstract Algebra - II
	Special Functions-I		M - 63	Discrete Mathematics –II
			M - 64	Differential Geometry - II
			M - 65	Principles of Computer Science –II
				OR
				Computational Mathematics-II
			M - 66	Operation Research-II

	Statistics		OR
			Special Functions-II
S - 51	Distribution Theory- I	M-III	Practical Course-III
S - 52	Statistical Inference - I	M-IV	Practical Course-IV
S - 53	Sampling Methods and Design of Experiments - I	M-V	Practical Course-V
			Statistics
S - 54	Applied Statistics-I	S - 61	Distribution Theory - II
S - 55	Applied Statistics - III	S - 62	Statistical Inference - II
S - 56	Computer Programming 'C' Programming (Turbo C) - I	S - 63	Sampling Methods and Design of Experiments - II
		S - 64	Applied Statistics - II
	Geography	S - 65	Applied Statistics-IV
G - 51	World Regional Geography-I	S - 66	Computer Programming 'C' Programming (Turbo C)-II
G - 52	Geography of India-I		**Lab Course**
G - 53	Resources	S - III	Practical Course - III
G - 54	Economic Geography-I	S - IV	Practical Course - IV
G - 55	Applied Geography-I	S - V	Practical Course - V
G - 56	Geography of Water Resources-I		**Geography**
	OR	G - 61	World Regional Geography
		G - 62	Geography of India-II
	Geography of Soils-I	G - 63	Environment
	OR	G - 64	Economic Geography-II
		G - 65	Applied Geography-II
	Population Geography-I	G - 66	Geography of Water Resources-II
			OR
	Computer Application:		Geography of Soils-II OR
			Population Geography-II
CA-51	Operating System-I		**Lab Course**
CA-52	Visual Basic .NET Programming - I	G - III	Practical Course - III
		G - IV	Practical Course - IV
CA-53	Software Engineering - I	G - V	Practical Course - V
CA-54	Database Management System - I		**Computer Application:**
CA-55	Data and File Structures - I	CA-61	Operating System-II
CA-56	Computer Networks - I	CA-62	Visual Basic .NET Programming-II
		CA-63	Software Engineering-II
		CA-64	Database Management System-II
		CA-65	Data and File Structures-II
		CA-66	Computer Networks-II
			Lab Course
		CA-III	Practical Course - III
		CA-IV	Practical Course - IV
		CA-V	Practical Course - V

T.Y.B.Sc. (PRINCIPAL SUBJECTS)

I)   Chemistry II) Physics III) Botany   IV) Microbiology V) Computer Application

● BACHELOR OF COMPUTER SCIENCE (Semester System) (2014 Course) ●

T.Y. B.Sc. Semester - V (2014 Course)	T.Y. B.Sc. Semester - VI (2014 Course)
CS -51 Operating System	CS -61 Linux Programming
CS -52 Web Supporting Technologies	CS -62 Open Source Technologies
CS -53 Data Communication and Networking	CS -63 Information Security
CS -54 Core JAVA	CS -64 Advance JAVA
CS -55 Software Engineering	CS -65 Unified Modeling Language
CS -56 Theoretical Computer Science	CS -66 Compiler Construction
Lab Course	**Lab Course**
CS- VII Lab Course on Linux	CS- VII Lab Course on System Programming and Linux
CS- VIII Lab Course on Web Supporting Technologies and Java	CS- VIII Lab Course on Web Supporting Technologies
CS- IX Lab Course on Oracle and Software Project	CS- IX Lab Course on JAVA

● BACHELOR OF COMMERCE (Semester System) (2014 Course) ●

T.Y.B.Com. Semester- V (2014 Course)	T.Y.B.Com. Semester- VI (2014 Course)
C 508 Corporate Accounting - III	C 608 Corporate Accounting - IV
C 504 International Economics I	C 604 International Economics II
Any one of the following :	**Any one of the following:**
C 512 Auditing & Taxation - I	C 612 Auditing & Taxation II
C 513 Business Regulatory Framework - I	C 613 Business Regulatory Framework II
Any one of the following :	**Any one of the following:**
C 511 Corporate Law V	C 611 Corporate Law VI
C 521 Banking and Insurance - V	C 621 Banking and Insurance VI
C 531 Marketing - V	C 631 Marketing - VI
Optional Subjects (Any ONE Group)	**Optional Subjects (Any ONE Group)**
Group A	**Group A**
C 541 Cost & Management Accounting - III	C 641 Cost & Management Accounting - V
C 542 Cost & Management Accounting - IV	C 642 Cost & Management Accounting - VI
Group B	**Group B**
C 551 Business Entrepreneurship - III	C 651 Business Entrepreneurship - V
C 552 Business Entrepreneurship - IV	C 652 Business Entrepreneurship - VI
Group C	**Group C**
C 561 E-Commerce III	C 561 E-Commerce V
C 562 E-Commerce IV	C 562 E-Commerce VI
Group D	**Group D**
C 571 Business Administration III	C 571 Business Administration V
C 572 Business Administration IV	C 572 Business Administration VI

As per the order of Honourable Supreme Court of India, Environmental Studies course is compulsory for every undergraduate student. The college is implementing this module course in Environmental Studies in the second year of all degree courses (Semester III & IV). There will be 50 lectures for this course. The examination will be conducted at the end of Second Year / Semester IV and will carry 50 marks. These marks will be converted into the grades accordingly. The grade 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.

Certificate Course in Gardening & Landscape Design :

Keeping in view the horizontal growth of the college, we have started a part-time certificate course in 'Gardening & Landscape Design' from the academic year 2005-2006. The information regarding the course is as follows :

- Eligibility : H.S.C. / Diploma / Degree of any faculty.
- Duration : One Year
- Medium of Instruction : English
- Timing : Tuesday, Thursday, Saturday
  5.30 p.m. to 7.30 p.m.
- Practical : Sunday, Morning 3 Hours.
- Intake : 40 Seats
- Fees : Rs. 6,500/-
- Course Structure : Theory Paper I & II 100 Marks
  Practical I & II 200 Marks
  Project Work 100 Marks

❖ SCHEME OF EXAMINATION (Semester System 2014 Course) ❖

A) THEORY :

The semester examination will be held at the end of each term of first, second and third year; which shall be called 'Semester Examination. The semester examination of each subject will be of 40 marks and will be of 2 hours duration. The semester examination of the papers having practicals will be converted into 30 marks for B.Com. Course. The final result of the student in each subject will be based on the marks obtained by the student in internal evaluation and semester examination taken together.

B) PRACTICAL :

There shall be compulsory practical examination of 10 marks at the end of each term for the first year, second year and third year B.Com. course.

C) INTERNAL EVALUATION :

There will be 10 marks for the Internal Evaluation of each subject (theory) in every semester. The College will conduct three tests of each subject in every semester and the two best of three tests will be considered for conversion out of 10 marks.

All examinations will be conducted according to the rules laid down by the university.

Yearwise distribution of total maximum marks at various examinations is as follows:

(2014 course)		B.A. (Marks)	B.Sc. (Marks)	B.Sc. Computer Sci. (Marks)	B.Com. (Marks)
First Year	Sem I	300	450	400	350
	Sem II	300	750	700	350
Second Year	Sem III	300	400	300	300
	Sem IV	300	600	600	300
Third Year	Sem V	300	300	300	300
	Sem VI	300	600	600	300
Total		**1800**	**3100**	**2900**	**1900**

CLASS IMPROVEMENT (2014 Course)

The rules regarding the improvement of class of UG and PG courses will be as follows, as notified by Bharati Vidyapeeth Deemed University:

1. The candidate who has passed UG and PG degree examinations of this university with class as shown in Column No. 1 and who desires to improve the class as shown in Column No. 2 below will be permitted at his/her option to appear for the same examination without being required to keep any terms.

Column No. 1	Column No. 2
Pass Class or Second Class or Higher Second Class or First Class as the case may be	Second Class or Higher Second Class or First Class or First Class with Distiction as the case may be

2. For improvement of class, the candidate will be required to apply and allowed to appear only for the theory examinations.

3. A candidate shall have to reappear for minimum 1/3 and/or maximum of all the theory papers at a time, on which the class is awarded. Candidate should ensure that the examination time table for the subject he/she is appearing will not clash.

4. Performance of the candidates reappearing for the subject less than 1/3 of the total theory examinations mentioned above will not be considered. However, his/her appearance will be counted as an attempt.

5. If the candidate, who has reappeared for the final year examination under the provisions for his/her class, is successful in improving his/her class by such reappearance, he/she will have to surrender to the university the original degree and the statement of marks that he/she had obtained in that course/subject. Unless original degree and the statement of marks are returned to the university by the candidate, the new degree certificate and statement of marks cannot be issued to the candidate. In the revised degree certificate/statement of marks to be given to the

candidate a mention will be made of the fact that he/she improved his/her class under class improvement attempt.

6. A candidate appearing for the improvement of the class/grade shall not be entitled to get benefit of any other rules/orders of the university regarding condonation /grace marks.

7. A candidate appearing for the improvement of class/grade shall not be entitled to get any prize/medal/scholarship/award etc.

8. A candidate who has reappeared for the above examination/s under the provision fails to improve his/her class/grade, his/her performance at such reappearance shall be ignored.

9. If the candidate makes no improvement in the class, then earlier performance will be retained.

10. A candidate will be allowed to reappear for the examination for improvement of class/grade within a period of three years from the date of his/her passing the degree examination.

11. The candidate will be given maximum of three attempts for the improvement of his/her class.

12. The candidate who desires to apply for improvement of class should submit his/her application form for improvement of class from the College through which he/she has undergone the course. Form should be submitted for improvement before 31st August for the October/November (Winter) examination and 28th February for April/May (Summer) examination season. No form for improvement of class shall be accepted after the prescribed dates for the respective/corresponding examination season.

13. Revised mark-sheet will be issued with remark 'Under Improvement Attempt'.

ELIGIBILITY FOR ADMISSION TO POST GRADUATE PROGRAMMES

Choice Based Credit System (CBCS) (Semester System) (2012 Course)

1) **M.A. (English) :**

Any graduate of this University or any other recognized University shall be admitted to M.A. (English) Course. A student who has a degree other than English as a special subject shall have to clear the entrance test conducted by the department every year.

2) **M. Com. :**

A candidate who has passed the B. Com. or B.B.A. of this University or any other recognised university or any graduate of this or any other recognised university shall be permitted to take admission to the M. Com. degree course of this University.

3) **M.Sc. (Microbiology)**

A candidate who has passed the:

a. Bachelor of Science from any recognized university with Microbiology as Principlal subject (Major) or Microbiology (Honors).

b. Bachelor of Science from any recognized university with Botany / Zoology / Biochemistry / Biotechnology / Environmental Science as major subjects with Microbiology as subsidiary subject.

c. Bachelor of Science from any recognized university with Microbiology as one of the subjects.

d. 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.

4) **M.Sc. (Chemistry) (Analytical Chemistry and Organic Chemistry) :**

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

5) **M.Sc. (Computer Science) :**

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.C.A. graduation from any recognized university satisfying the following condition. The candidate should have secured at least 50% (45% for SC/ST) in aggregate at graduate level university examination.

COURSE STRUCTURE (PG PROGRAMME)

● **COURSE STRUCTURE FOR M.A. (ENGLISH) : (Semester System)** ●

Choice Based Credit System

The M.A. programme will be of two years duration consisting of four semesters and of minimum 100 Credits: Semester I (24 Credits), Semester II (24 Credits), Semester III (24 Credits), and Semester IV (28 Credits). In first three Semesters, there will be four theory papers of 06 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. Thus, M.A. (English) degree examination, four Semesters shall be of 1600 marks and of minimum 100 credits altogather. The following shall be the course structure:

M.A. (English) SEMESTER - I (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGENG 11	Literature in English from 1550 to 1832 - I	06	100
	PGENG 12	Introduction to the Study of English Language - I	06	100
	PGENG 13	English Language and Literature Teaching - I	06	100
Core: Elective	**Any one from the following:**			
	PGENG 14	Postcolonial Literature - I	06	100
	PGENG 15	Linguistics and Stylistics - I	06	100
	PGENG 16	American Literature: 19th Century - I	06	100
	PGENG 17	Indian Literature in English Translation - I	06	100
Non-Core: Optional	**To earn extra credits, a student may opt for any number of the following subjects:**			
	PGGEN 11	English for Specific Purposes	02	50
	PGGEN 12	Basics of Information Technology	02	50
	PGGEN 13	Bioinformatics	02	50

M.A. (English) SEMESTER - II (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGENG 21	Literature in English from 1550 to 1832 - II	06	100
	PGENG 22	Introduction to the Study of English Language - II	06	100
	PGENG 23	English Language and Literature Teaching - II	06	100
Core: Elective	**Any one from the following:**			
	PGENG 24	Postcolonial Literature - II	06	100
	PGENG 25	Linguistics and Stylistics - II	06	100
	PGENG 26	American Literature: 19th Century - II	06	100
	PGENG 27	Indian Literature in English Translation - II	06	100
	To earn extra credits, a student may opt for any number of the following subjects:			
Non-Core: Optional	PGGEN 21	Scientific Writing	02	50
	PGGEN 22	Consumer Protection	02	50
	PGGEN 23	Cyber Security	02	50

M.A. (English) SEMESTER - III (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGENG 31	Literature in English from 1832 to 1980 - I	06	100
	PGENG 32	Contemporary Critical Thoughts - I	06	100
	PGENG 33	Research Methodology - I	06	100
Core: Elective	**Any one from the following:**			
	PGENG 34	Postcolonial Indian English Literature - I	06	100
	PGENG 35	Semantics and Pragmatics - I	06	100
	PGENG 36	Contemporary American Literature & Culture- I	06	100
	PGENG 37	World Classics in English Translation - I	06	100
Non-Core: Optional	**To earn extra credits, a student may opt for any number of the following subject:**			
	PGGEN 31	Soft Skills	02	50
	PGGEN 32	Clinical Biochemistry	02	50
	PGGEN 33	Income Tax Management	02	50

M.A. (English) SEMESTER - IV (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGENG 41	Literature in English from 1832 to 1980 - II	06	100
	PGENG 42	Contemporary Critical Thoughts - II	06	100
	PGENG 43	Research Methodology - II (Project Report)	10	100
Core: Elective	**Any one from the following:**			
	PGENG 44	Postcolonial Indian English Literature - II	06	100
	PGENG 45	Semantics and Pragmatics - II	06	100
	PGENG 46	Contemporary American Literature and Culture - II	06	100
	PGENG 47	World Classics in English Translation - II	06	100

SCHEME OF EXAMINATION :

The assessment of regular students of Master of Arts (M.A.) English course in the academic session 2013-14 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 06 credits will be given to a student who secures atleast 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 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, oral or any such others. There will be at least two types of assessments from 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, 10 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.

● COURSE STRUCTURE FOR M.SC. (CHEMISTRY) : (CBCS) ●

Choice Based Credit System

COURSE STRUCTURE

1) The M.Sc. (Analytical / Inorganic / Organic Chemistry) course will be of four semesters and with a minimum of 100 credits. The medium of instruction and examination will be only English.

2) Credits for semester I-24Credits, semester II -26 Credits, semester III- 26 Credits and semester IV- 24 Credits.

3) The assessment of 2 credits (Industrial Project) at semester IV of M.Sc.(Analytical / Organic Chemistry) will be carried out as follows :-

i)   A student will inform the department about the visiting date of the industry for the above mentioned project.

ii) The student will have to make two presentations, one at the beginning and other at the end of the programme and the student will have to submit a compiled report which will be assessed towards course credit as IA.

4) Each theory course prescribed for M. Sc. will be covered in 60 hrs., i.e. 15 weeks (4 hours, each of 60 minutes duration per week per course). Additional 15 hours in each course includes about 1 hour continuous assessment per week will include tutorials, student seminars, class tests and oral.

5) Each practical course will require 60 hours i.e. 20 weeks (3 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. Additional 15 hours (1.5 hour per week per course) will be required for continuous assessment which includes oral, practical test and reviews.

6) For theory course the question paper should include at least 20% weightage for problem solving. Problem solving would include numerical problems and 10% weightage may be given to objective type questions.

7) Thus, M.Sc (Analytical/Organic Chemistry) degree examination has four semesters and shall be of 2000 marks and of minimum 100 credits altogether. The following shall be the course structure:

M.Sc. (Analytical / Inorganic / Organic Chemistry) SEMESTER - I (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGCH-101	Physical Chemistry- I	5	100
	PGCH-102	Inorganic Chemistry-I	5	100
	PGCH-103	Organic Chemistry-I	5	100
	PGCH-206	Physical Chemistry : Practical*	3	100
	PGCH-207	Inorganic Chemistry : Practical*	3	100
	PGCH-208	Organic Chemistry : Practical*	3	100
	To earn extra credits, a student may opt for any number of the following subjects:			
Non Core: Optional	PGGEN-11	English for Specific Purposes	2	50
	PGGEN-12	Basics of Information Technology	2	50
	PGGEN-13	Bioinformatics	2	50

M.Sc. (Analytical / Inorganic / Organic Chemistry) SEMESTER - II (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGCH 201	Physical Chemistry- II	5	100
	PGCH 202	Inorganic Chemistry-II	5	100
	PGCH 203	Organic Chemistry-II	5	100
	PGCH 204	Fundamentals of Analytical Chemistry	5	100
	PGCH 206	Physical Chemistry: Practical*	2	100
	PGCH 207	Inorganic Chemistry: Practical*	2	100
	PGCH 208	Organic Chemistry : Practical*	2	100
	To earn extra credits, a student may opt for any number of the following subjects:			
Non-Core: Optional	PGGEN-21	Scientific Writing	2	50
	PGGEN-22	Consumer Protection	2	50
	PGGEN-23	Cyber Security	2	50

*   University examination for practical courses PGCH 206, PGCH207, PGCH208 will be conducted at the end of the Second Semester although these practicals are conducted in Sem. I & Sem. II.

M.Sc. (Analytical Chemistry) SEMESTER- III (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGAC 301	Thermal, Radio and Electro-Analytical Methods	5	100
	PGAC 302	Modern Aspects of Analytical Chemistry	5	100
	PGAC 303	Recent Analytical Techniques	5	100
	PGAC 304	Analysis of Pharmaceuticals	5	100
	PGAC 407	Practical Course -I*	2	100
	PGAC 408	Practical Course - II*	2	100
	PGAC409	Practical Course - III*	2	100
	To earn extra credits, a student may opt for any number of the following subjects:			
Non-Core: Optional	PGGEN-31	Developing Soft Skills	2	50
	PGGEN-32	Clinical Biochemistry	2	50
	PGGEN-33	Income Tax Management	2	50

M.Sc. (Analytical Chemistry) SEMESTER-IV (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGAC 401	Advanced Analytical Techniques	5	100
	PGAC 402	Recent Separation Techniques	5	100
	PGAC 407	Practical Course -I*	3	100
	PGAC 408	Practical Course -II*	3	100
	PGAC 409	Practical Course -III * OR Project Work	3	100
	To earn extra credits, a student may opt for any number of the following subjects:			
Core: Elective	PGAC 403	Environmental Analysis	3	100
	PGAC-404	Computer Interface with Chemistry	3	100
	PGAC-405	Modern Methods of Analysis	3	100
	PGAC 406	Industrial Project #	2	100

* University examination for practical courses PGAC407, PGAC408, PGAC409 will be conducted at the end of the Fourth Semester although these practicals are conducted in Sem. III & Sem. IV.

\# Industrial project includes one day visit, internet survey, project writing, presentation or oral.

M.Sc. (Organic Chemistry) SEMESTER- III (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGOC-301	Advanced Organic Reaction Mechanism	5	100
	PGOC-302	Spectroscopic Methods in Structure Determination	5	100
	PGOC-303	Advanced Stereochemistry	5	100
	PGOC-304	Medicinal Chemistry	5	100
	PGOC-407	Mixture Separation *	2	100
	PGOC 408	Advanced Preparations *	2	100
	PGOC 409	Research Project OR Laboratory Course *	2	100
	To earn extra credits, a student may opt for any number of the following subjects:			
Non-Core: Optional	PGGEN-31	Developing Soft Skills	2	50
	PGGEN-32	Clinical Biochemistry	2	50
	PGGEN-33	Income Tax Management	2	50

M.Sc. (Organic Chemistry) SEMESTER- IV (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGOC-401	Synthetic Organic chemistry	5	100
	PGOC-402	Chemistry of Natural Products	5	100
	PGOC-407	Mixture Separation*	3	100
	PGOC-408	Advanced Preparations*	3	100
	PGOC-409	Research Project OR Laboratory Course*	3	100
	Any one of the following			
Core: Elective	PGOC-403	Green Chemistry	3	100
	PGOC-404	Applied Organic Chemistry	3	100
	PGOC- 405	Bio-organic Chemistry	3	100
	PGOC-406	Industrial Project #	2	100

*   University examination for practical courses PGOC407, PGOC408, PGOC409 will be conducted at the end of the Fourth Semester although these practicals are conducted in Sem. III & Sem. IV.

\#   Industrial project includes one day visit, internet survey, project writing, presentation or oral.

M.Sc. (Inorganic Chemistry) SEMESTER- III (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core: Compulsory	PGIC-301	Advanced Coordination Chemistry	5	100
	PGIC-302	Bioinorganic Chemistry & Heterogeneous Catalysis	5	100
	PGIC-303	Inorganic Solid State Chemistry & Inorganic Polymer Chemistry	5	100
	PGIC-304	Inorganic Analytical Chemistry	5	100
	PGIC - 407	Inorganic Practical Chemistry -I*	2	100
	PGIC - 408	Inorganic Practical Chemistry -II*	2	100
	PGIC - 409	Research Project OR Inorganic Practical Chemistry-III*	2	100
Non-Core: Optional	To earn extra credits, a student may opt for any number of the following subjects:			
	PGGEN-31	Soft Skills	2	50
	PGGEN-32	Clinical Biochemistry	2	50
	PGGEN-33	Income Tax Mamagement	2	50

M.Sc. (Inorganic Chemistry) SEMESTER- IV (CBCS)

Subject Type	Code	Title of the paper	Credits	Maximum Marks
Core : Compulsory	PGIC-401	Organo Metallic Chemistry	5	100
	PGIC-402	Material Chemistry & Nanoscience and Nanotechnology related to Inorganic Systems	5	100
	PGIC-407	Inorganic Practical Chemistry -I*	3	100
	PGIC-408	Inorganic Practical Chemistry -II*	3	100
	PGIC-409	Research Project OR Inorganic Practical Chemistry-III*	3	100
Core: Elective	Any one of the following			
	PGIC-403	Modern Instrumental Techniques for Inorganic Analysis	3	100
	PGIC-404	Inorganic Pharmaceutical Chemistry	3	100
	PGIC-405	Applications of Inorganic Chemistry in Agriculture, Environmental Science and Space Science	3	100
PGIC-406	Industrial Project #		2	100

* University examination for practical courses PGIC407, PGIC408, PGIC409 will be conducted at the end of the year i.e. at the end of the Fourth Semester although these practicals are conducted in Sem. III & Sem. IV.

\# Industrial project includes one day visit, Internet survey, project writing, presentation or oral.

SCHEME OF EXAMINATION:

In order to pass in a course, the student must obtain a minimum GP of 4.5 at the UE and a GPI of 4.5 in aggregate of University Exam and Internal Assessment. Student getting 'F' grade in UE will be declared fail in that subject and he / she will have to reappear for the subject till he / she passes in it getting 4.5 GPI.

For each paper of 100 marks, there will be Internal Assessment of 40 marks and the university examination of 60 marks for three 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: attendance, 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 University examination for laboratory course is of 60 marks and six hours duration. 40 marks for continuous assessment will be based on practical test / orals and reviews. The project course in Semesters IV will be evaluated for 100 marks for the allotted credits by a panel consisting of one internal and one external examiner.

A candidate shall be permitted to proceed from the one semester to another semester irrespective of his / her failure in any number of subjects at the semester examinations. The candidate should register for all the arrear subjects of earlier semesters along with current semester subjects. It is necessary for the student to have term granted and completed.

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.

HORIZONTAL MOBILITY

The college has been conducting three M.Sc. courses from June 2012

i) M.Sc. (Analytical Chemistry)

ii) M.Sc. (Inorganic Chemistry)

iii) M.Sc. (Organic Chemistry)

M.Sc. Part - I is common to all these courses. After passing any one M.Sc. degree, if the student desires to have another M.Sc. degree from above three courses, his credits at M.Sc. part - I will be carried forward and he / she will have to earn credits of the M.Sc. Part - II only.

e.g. - if a student has successfully obtained M.Sc. (Analytical Chemistry) and wishes to obtain M.Sc. (Inorganic Chemistry), his / her credits of M.Sc. I (Analytical Chemistry) will be carried forward and he / she will have to obtain credits for M.Sc. - II (Inorganic Chemistry) only. So that he/she will get his/her another degree M.Sc. (Inorganic Chemistry) in minimum one year.

● COURSE STRUCTURE FOR M.SC. (MICROBIOLOGY) (CBCS) (2012 COURSE) ●

Choice Based Credit System

The overall structure of the M.Sc. (Microbiology) course to be implemented from the academic year 2012-2013 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. with a minimum of 100 credits. The medium of instruction and examination will be English only. The credit allotment for M.Sc. (Microbiology)) course: Semester I (26 Credits), Semester II (26 Credits), Semester III (22 Credits), and Semester IV (26 Credits).

b   In Semester I, II and IV there will be four theory papers(three core compulsory and one core elective) of 100 marks each, two laboratory courses of 100 marks each, out of which 40 marks will be for internal assessment and 60 marks for university examination. Third semester will be totally for Internship (major project) for 200 marks. Thus M.Sc.(Microbiology)) degree course shall be of, four semesters (2000 marks) and of minimum 100 credits altogether .

c   Thus, entire M.Sc. course in Microbiology shall be covered in 12 theory papers and 6 practical courses, and an Internship (major project).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 four clock hours per week. Thus, the students will work for each practical on two days of the week, daily for minimum four hrs. There will be four lectures per day on four days of the week and on the remaining two days students will be given four hrs each for their library work in the college or other libraries of different institutes.

d   Students should undertake a Internship (major project) so as to learn research methodology and presentation of work. The Internship (major project) shall carry 200 marks. The students will work for their projects in third semester - complete the experimental work during the third semester and will complete the writing part of the project during the winter break. At the beginning of fourth semester there will be a presentation and assessment of the project. Maximum number of students participating in a project would be two. The following shall be the course structure:

M.Sc. (Microbiology) SEMESTER I (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core: Compulsory	PGMB-101	Biochemistry	4	100
	PGMB-102	Immunology	4	100
	PGMB-103	Genetics & Molecular Biology	4	100
	PGMB-111	Lab Course -I	5	100
	PGMB-112	Lab Course -II	5	100
Core: Elective	**Any one from the following:**			
	PGMB-104	Microbial Ecology	4	100
	PGMB-105	Environmental Microbiology	4	100
Non-Core: Optional	**To earn extra credits, a student may opt for any number of the following subjects:**			
	PGGEN11	English For Specific Purposes	2	50
	PGGEN12	Basics of Information Technology	2	50
	PGGEN13	Bioinformatics	2	50

M.Sc. (Microbiology) SEMESTER II (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core: Compulsory	PGMB-201	Fermentor Design and Microbial Biotechnology	4	100
	PGMB-202	Analytical Techniques	4	100
	PGMB-203	Quantitative Biology	4	100
	PGMB-211	Lab Course -III	5	100
	PGMB-212	Lab Course -IV	5	100
Core: Elective	**Any one from the following:**			
	PGMB-204	Microbial Metabolism	4	100
	PGMB-205	Physiology and Metabolism	4	100
Non-Core: Optional	**To earn extra credits, a student may opt for any number of the following subjects:**			
	PGGEN21	Scientific Writing	2	50
	PGGEN22	Consumer Protection	2	50
	PGGEN23	Cyber Security	2	50

M.Sc. (Microbiology) SEMESTER III (CBCS)

Course Number	Course Title	Credits Value	Maximum Marks
PGMB-311 PGMB-312	Internship	22	200

M.Sc. (Microbiology) SEMESTER IV (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core: Compulsory	PGMB-401	Virology	4	100
	PGMB-402	Medical Microbiology	4	100
	PGMB-403	Applied Microbiology	4	100
	PGMB-411	Lab Course -V	5	100
	PGMB-412	Lab Course -VI	5	100
Core: Elective	**Any one from the following:**			
	PGMB-404	Advanced Biotechnology	4	100
	PGMB-405	Advanced Analytical Techniques	4	100
	To earn extra credits, a student may opt for any number of the following subjects:			
Non-Core: Optional	PGGEN31	Developing Soft Skills	2	50
	PGGEN32	Clinical Biochemistry	2	50
	PGGEN33	Income Tax Management	2	50

SCHEME 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 for the examination.

c.   Continuous Internal Assessment :

Three Tutorials will be conducted throughout the semester for each theory course and marks out of 40 per course will be submitted to the university as Internal Assessment (IA). 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 of the above). Students will be assessed for 40 marks for each practical course.

d.   University Examination :

i.   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.

ii. Practical: There shall be annual practical examination of 60 marks at the end of 2nd and 4th Semester for each practical course (Lab Course).

The practical examination for the courses MB 111, MB 112, MB 211, and MB 212 will be conducted at the end of second semester. Practical examination for courses MB 411 and MB412 will be conducted at the end of fourth semester. The practical examination for every course will be conducted for minimum two days for 6 hrs per day.

iii. Project Work: Students have to undertake a major project so as to learn research methodology and presentation of work. Practical courses MB 311 MB 312 are allotted for project work which shall carry 200 marks. The assessment for the said courses will be as follows:

120 marks - (actual project work) Assessment by the external examiner and project guide for 60 marks each.

20 marks - (presentation of the project) Assessment by the external examiner.

20 marks - (Assessment by the guide) day to day project work.

30 marks- will be allotted to the two seminars (15 marks per seminar) presented in third semester on the project work.

10 marks- will be allotted for literature review which will be submitted at the time of second presentation.

The assessment for the said courses will be conducted at the beginning of the fourth semester.

The student will be assessed on the basis of following criteria for 120 marks.

(i)   Choice of the topic selected for the project.

(ii)   Aims and objectives of the project.

(iii)   Updated literature survey.

(iv)   Novel and other applications of the project (can a patent be filed on further work).Materials and methodology used.

(v)   Outcome and achievements of the project.

(vi)   Conclusion.

(vii)   Presentation of the project. (methodology of presentation)

● COURSE STRUCTURE FOR M.Sc. (Computer Science) (CBCS) (2012 COURSE) ●

Choice Based Credit System

The M.Sc. (Computer Science) course will be of minimum four semesters and with a minimum of 100 credits. The medium of instruction and examination will be only English. The credit allotment for M.Sc.(Computer Science) course : Semester I (28 Credits), Semester II (28 Credits), Semester III (28 Credits), and Semester IV (16 Credits). In each Semester, there will be four papers(three core compulsory and one core elective) of 100 marks each, 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 2000 marks and of minimum 100 credits altogether. The following shall be the course structure:

M.Sc. (Computer Science) SEMESTER - I (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core: Compulsory	PGCS-101	Algorithm Design Patterns	5	100
	PGCS-102	Paradigm of Programming Languages	5	100
	PGCS-103	Advanced Data Structures	5	100
	PGCS-107	Lab Course -I	4	100
	PGCS-108	Minor Project -I	4	100
Core: Elective	**Any one from the following:**			
	PGCS-104	Parallel Processing	5	100
	PGCS-105	Theory of Automata	5	100
	PGCS-106	Digital Image Processing	5	100
Non-Core: Optional	**To earn extra credits, a student may opt for any number of the following subjects:**			
	PGGEN11	English For Specific Purposes	2	50
	PGGEN12	Basics of Information Technology	2	50
	PGGEN13	Bioinformatics	2	50

M.Sc. (Computer Science) SEMESTER - II (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core: Compulsory	PGCS-201	Software Architecture	5	100
	PGCS-202	Network Security	5	100
	PGCS-203	Java Application Programming	5	100
	PGCS-207	Lab Course -II	4	100
	PGCS-208	Minor Project -II	4	100
Core: Elective	**Any one from the following:**			
	PGCS-204	Software Testing	5	100
	PGCS-205	Embedded Computing	5	100
	PGCS-206	Software Project Management	5	100
Non-Core: Optional	**To earn extra credits, a student may opt for any number of the following subjects:**			
	PGGEN21	Scientific Writing	2	50
	PGGEN22	Consumer Protection	2	50
	PGGEN23	Cyber Security	2	50

M.Sc. (Computer Science) SEMESTER - III (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core: Compulsory	PGCS-301	Artificial Intelligence	5	100
	PGCS-302	Mobile Technologies	5	100
	PGCS-303	Net Technologies	5	100
	PGCS-307	Lab Course -III	4	100
	PGCS-308	Minor Project -III	4	100
Core: Elective	**Any one from the following:**			
	PGCS-304	Soft Computing and Data Mining	5	100
	PGCS-305	Advanced Database Management Systems	5	100
	PGCS-306	Advanced Operating System	5	100
Non-Core: Optional	**To earn extra credits, a student may opt for any number of the following subjects:**			
	PGGEN31	Developing Soft Skills	2	50
	PGGEN32	Clinical Biochemistry	2	50
	PGGEN33	Income Tax Management	2	50

M.Sc. (Computer Science) SEMESTER - IV (CBCS)

Course Number	Course Title	Credits Value	Maximum Marks
PGCS-401	Internship	16	200

SCHEME OF EXAMINATION:

In order to pass in a course, the student must obtain a minimum GP of 4.5 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 hour 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.

Internship

The assessment for 16 credits in Internship during IV semester of M.Sc. (Computer science) will be as follows:

i)   A student will inform the department about the joining date of the above mentioned training.

ii) The student will have to make two presentations at the mid of the training and at the end of the training programme. The student will have to submit a compiled report which will be assessed towards course credit.

Upon completion of the Internship, the student will submit a report based on the work done. The report will be evaluated based on viva and presentation by one internal examiner, one external examiner and industry expert. The internship assessment will for 200 marks, out of which 80 marks will be evaluated by internal examiner and 120 marks will be evaluated by external examiner and industry expert.

● COURSE STRUCTURE FOR M.Com. (CBCS) (2012 COURSE) ●

Choice Based Credit System

The M. Com. degree course will be of two year duration consisting of four semesters and of minimum 100 credits: Semester I (24 Credits), Semester II (24 Credits), Semester III (24 Credits), and Semester IV (28 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. Thus, M.Com. degree examination, four Semesters shall be of 1600 marks and of minimum 100 credits altogether. The following shall be the course structure.

M.Com. SEMESTER I (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core Compulsory	PGCOM 101	Business Finance-I	06	100
	PGCOM 102	Management Concepts & Organisational Behaviour-I	06	100
	Any one Group from the following:			
	Group A			
Core Elective	PGCOM 103	Advanced Accounting-I	06	100
	PGCOM 104	Advanced Accounting-II	06	100
	Group B			
	PGCOM 105	Marketing-I	06	100
	PGCOM 106	Marketing-II	06	100
	Group C			
	PGCOM 107	Business Administration-I	06	100
	PGCOM 108	Business Administration-II	06	100
	Group D			
	PGCOM 109	Advanced Cost Accounting-I	06	100
	PGCOM 110	Advanced Cost Accounting-II	06	100
Non-Core Optional	**To earn extra credits, a student may opt for any number of the following subjects:**			
	PGGEN 11	English for Specific Purposes	02	50
	PGGEN 12	Basics of Information Technology	02	50
	PGGEN 13	Bioinformatics	02	50

M.Com. SEMESTER II (CBCS)				
Subject Type	**Code**	**Title of the paper**	**Credits Value**	**Maximum Marks**
Core Compulsory	PGCOM 201	Business Finance-II	06	100
	PGCOM 202	Management Concepts & Organisational Behaviour-II	06	100
Core Elective	**Any one Group from the following:**			
	Group A			
	PGCOM 203	Advanced Accounting-III	06	100
	PGCOM 204	Advanced Accounting-IV	06	100
	Group B			
	PGCOM 205	Marketing-III	06	100
	PGCOM 206	Marketing-IV	06	100
	Group C			
	PGCOM 207	Business Administration-III	06	100
	PGCOM 208	Business Administration-IV	06	100
	Group D			
	PGCOM 209	Advanced Cost Accounting-III	06	100
	PGCOM 210	Advanced Cost Accounting-IV	06	100
Non-Core Optional	**To earn extra credits, a student may opt for any number of the following subjects:**			
	PGGEN 21	Scientific Writing	02	50
	PGGEN 22	Consumer Protection	02	50
	PGGEN 23	Cyber Security	02	50

M.Com. SEMESTER III (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core	PGCOM 301	Management Accounting -I	06	100
Compulsory	PGCOM 302	Research Methodology-I	06	100
Core	**Any one Group from the following:**			
Elective	**Group A**			
	PGCOM 303	Advanced Accounting-V	06	100
	PGCOM 304	Advanced Accounting-VI	06	100
	Group B			
	PGCOM 305	Marketing-V	06	100
	PGCOM 306	Marketing-VI	06	100
	Group C			
	PGCOM 307	Business Administration-V	06	100
	PGCOM 308	Business Administration-VI	06	100
	Group D			
	PGCOM 309	Advanced Cost Accounting-V	06	100
	PGCOM 310	Advanced Cost Accounting-VI	06	100
Non-Core	**To earn extra credits, a student may opt for any number of the following subjects:**			
Optional	PGGEN 31	Developing Soft Skills	02	50
	PGGEN 32	Clinical Biochemistry	02	50
	PGGEN 33	Income Tax Management	02	50

M.Com. SEMESTER IV (CBCS)

Subject Type	Code	Title of the paper	Credits Value	Maximum Marks
Core Compulsory	PGCOM 401	Management Accounting -II	06	100
	PGCOM 402	Research Methodology-II (Project Report)	10	10
Core Elective	**Any one Group from the following:**			
	Group A			
	PGCOM 403	Advanced Accounting-VII	06	100
	PGCOM 404	Advanced Accounting-VIII	06	100
	Group B			
	PGCOM 405	Marketing-VII	06	100
	PGCOM 406	Marketing-VIII	06	100
	Group C			
	PGCOM 407	Business Administration-VII	06	100
	PGCOM 408	Business Administration-VIII	06	100
	Group D			
	PGCOM 409	Advanced Cost Accounting-VII	06	100
	PGCOM 410	Advanced Cost Accounting-VIII	06	100

SCHEME OF EXAMINATION:

The examination of regular students of M. Com. degree course of the Bharati Vidyapeeth University admitted in the academic session 2012-13 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 6 credits. A candidate who does not pass the examination in any subject or subjects in one semester will be permitted to appear 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, oral or any such others. There 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 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, 10 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 viva voce will be conducted by the teachers selected out of the panel of PG examiners maintained by the University.

The candidate has to submit the project 15 days before the commencement of the fourth semester university examination. The project report shall be type-written and submitted in duplicate (Soft and Hard Copy). 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.

FOR ALL POST-GRADUATE PROGRAMMES

● **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 Master Degree (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

● **Scheme of Credits:**

Sixty (60) hours of teaching will lead to four credits (which means four hours per week teaching in one semester) and long term paper as well as presentation will carry ONE credit each. Each semester of Master's course shall offer 24 credits or more.

● **Extra Credits:**

Regular students can also opt for extra credits if the departmental committee agrees. A candidate must communicate which extra credits s/he is going to attempt at the commencement of the semester. A student can enrol for extra credits over and above the total 100 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 credits 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 Deemed University offering courses for Faculty of Arts, Social Sciences and Commerce; and Faculty of Science, which will be declared at the commencement of session. The extra credits earned by the student will be mentioned separately in the Grade sheet.

● **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]	O	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]	B	6.0
[50.0 - 54.9]	C+	5.5
[45.0 - 49.9]	C	5.0
[40.0 - 44.9]	D	4.5

- **Structure of Transcript:**

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 SGPA and CGPA 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]

The above formula computes to the following table:-

Range in % of marks	Range of CGPA	Letter grade	Division
[75.0 -100]	[9.00 -10.00]	O	First class with Distinction
[70.0 -74.9]	[8.00 - 8.99]	A+	
[65.0 - 67.9]	[7.00 - 7.99]	A	First class
[60.0 - 64.9]	[6.00 - 6.99]	B+	
[55.0 - 59.9]	[5.50 - 5.99]	B	Higher second class
[50.0 - 54.9]	[5.00 - 5.49]	C+	Second class
[45.0 - 49.9]	[4.50 - 4.99]	C	Pass class
[40.0 - 44.9]	[4.00 - 4.49]	D	
[00.0 - 39.9]	[0.00 - 3.99]	F	Fail

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

CGPA	% of Marks	CGPA	% of Marks	CGPA	%of Marks	CGPA	% of 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

BHARATI VIDYAPEETH DEEMED UNIVERSITY

YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE & COMMERCE, PUNE-38

FEE STRUCTURE

UNDER GRADUATE (GRANT-IN-AID SECTION)

ACADEMIC YEAR 2017-2018

CLASS		FEES											(Rs.)
1	Admission Fee	Tuition Fee	Laboratory Fee	Library Fee	Student Activity & Magazine Fee	Gymkhana Fee	University Eligibility Fee	Student Welfare and Insurance	College Test & Tutorial Fee	Medical Check up Fee	University Development Fund	Sem. Exam. Fee	Total Fee
	2	3	4	5	6	7	8	9	10	11	12	13	14
F.Y.B.A.(Sem I & II)	10	800	0	100	200	50	50	50	50	100	100	250	1760
S.Y.B.A.(Sem II & III)	10	800	0	100	200	50	0	50	50	100	100	250	1710
T.Y.B.A.(Sem IV & V)	10	800	0	100	200	50	0	50	50	100	100	250	1710
F.Y.B.SC.(Sem I & II)	10	800	325	100	200	50	50	50	50	100	100	300	2135
S.Y.B.SC.(Sem II & III)	10	800	325	100	200	50	0	50	50	100	100	300	2085
T.Y.B.SC.(Sem IV & V)	10	800	325	100	200	50	0	50	50	100	100	300	2085
F.Y.B.Com.(Sem I & II)	10	800	0	100	200	50	50	50	50	100	100	250	1760
S.Y.B.Com.(Sem II & III)	10	800	0	100	200	50	0	50	50	100	100	250	1710
T.Y.B.Com.(Sem IV & V)	10	800	0	100	200	50	0	50	50	100	100	250	1710

NOTE :

1) Every International student has to pay Rs. 1000/- 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.

*3) Students other than Maharashtra State should pay the Tuition fee double to the fees of regular Maharashtra State students.

4) The students offering computer application subject should pay Rs. 7,000/- as additional laboratory fee every year.

BHARATI VIDYAPEETH DEEMED UNIVERSITY

YASHWANTRAO MOHITE COLLEGE OF ARTS, SCIENCE & COMMERCE, PUNE-38

FEE STRUCTURE

Under-Graduate & Post-Graduate (Non Grant Section)
ACADEMIC YEAR 2017-2018

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	30000	30500
5.	M.Sc. II (Chemistry)	500	30000	30500
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	500	11000	11500
11.	M.A. II	500	11000	11500
12.	M.Com. I	500	11000	11500
13.	M.Com. II	500	11000	11500

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 remaining entire duration of his 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 Ball
2) Soft Ball
3) Foot Ball
4) Holly Ball
5) Hand Ball
6) Cricket
7) Table Tennis
8) Chess
9) Wrestling
10) Athletics
11) Swimming
12) 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.

❖ RULES OF DISCIPLINE ❖

1) 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.

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Academic Programme 2017-18

EVENT	TERM - I
1. Commencement of the Term	**10th June 2017**
2. Mid Semester Examination	**1st Sept. to 9th Sept. 2017**
3. University Practical Examination	**7th Oct. to 14th Oct. 2017**
4. University Theory Examination	**23rd Oct. to 14th Nov. 2017**
5. Closing of the Term	**10th Oct. 2017**
6. Winter Vacation	**11th Oct. to 31st Oct. 2017**
7. Declaration of University Examination Result	**1st Dec. 2017** (Subject to change)
EVENT	TERM - II
1. Commencement of the Term	**1st Nov. 2017**
2. Mid Semester Examination	**24th Jan. to 31st Jan. 2018**
3. University Practical Examination	**16th March to 9th April 2018**
4. University Theory Examination	**10th April to 4th May 2018**
5. Closing of the Term	**30th April 2018**
6. Summer Vacation	**1st May to 10th June 2018**
7. Declaration of University Examination Result	**20th May 2018** (Subject to change)

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.

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.