

B.Com.Part-II
Examination 2014

Prospectus No.2014152

संत गाडगे बाबा अमरावती विद्यापीठ
SANT GADGE BABA AMRAVATI UNIVERSITY

वाणिज्य विद्याशाखा
(FACULTY OF COMMERCE)

अभ्यासक्रमिका
वाणिज्य स्नातक भाग-२, परीक्षा २०१४
(त्रिवर्षीय अभ्यासक्रम)

PROSPECTUS
of
The B.Com. Part-II Examination 2014
(Three Year Degree Course)



2013
Visit us at www.sgbau.ac.in

Price Rs./-

PUBLISHED BY
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SANT GADGE BABA AMRAVATI UNIVERSITY AMRAVATI
SPECIAL NOTE FOR INFORMATION OF THE STUDENTS

- (1) Notwithstanding anything to the contrary, it is notified for general information and guidance of all concerned that a person, who has passed the qualifying examination and is eligible for admission only to the corresponding next higher examination as an ex-student or an external candidate, shall be examined in accordance with the syllabus of such next higher examination in force at the time of such examination in such subjects papers or combination of papers in which students from University Departments or Colleges are to be examined by the University.
- (2) Be it known to all the students desirous to take examination/s for which this prospectus has been prescribed should, if found necessary for any other information regarding examinations etc., refer the University Ordinances Booklet the various conditions/provisions pertaining to examination as prescribed in the following Ordinances.

Ordinance No. 1	:	Enrolment of Students.
Ordinance No. 2	:	Admission of Students
Ordinance No. 4	:	National cadet corps
Ordinance No. 6	:	Examinations in General (relevant extracts)
Ordinance No. 18/2001	:	An Ordinance to provide grace marks for passing in a Head of passing and Improvement of Division (Higher Class) and getting Distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute NO.18, Ordinance 2001.
Ordinance No. 9	:	Conduct of Examinations (relevant extracts)
Ordinance No. 10	:	Providing for Exemptions and Compartments
Ordinance No. 19	:	Admission of Candidates to Degrees.
Ordinance No. 109	:	Recording of a change of name of a University student in the records of the University.

Ordinance No. 6/2008	:	For improvement of Division/Grade.
Ordinance No.19/2001	:	An Ordinance for Central Assessment Programme, Scheme of Evaluation and Moderation of answerbooks and preparation of results of the examinations, conducted by the University, Ordinance 2001.

Dineshkumar Joshi
 Registrar
 Sant Gadge Baba Amravati University

PATTERN OF QUESTION PAPER ON THE UNIT SYSTEM

The pattern of question paper as per unit system will be broadly based on the following pattern.

- (1) Syllabus has been divided into units equal to the number of question to be answered in the paper. On each unit there will be a question either a long answer type or a short answer type.
- (2) Number of question will be in accordance with the unit prescribed in the syllabi for each paper i.e. there will be one question on each unit.
- (3) For every question long answer type or short answer type there will be an alternative choice from the same unit. However, there will be no internal choice in a question.
- (4) Division of marks between long answer and short answer type question will be in the ratio of 40 and 60.
- (5) Each short answer type question shall Contain 4 to 8 short sub question with no internal choice.

*** ORDINANCE NO. 147**
EXAMINATIONS LEADING TO THE DEGREE OF
BACHELOR OF COMMERCE (वाणिज्य स्नातक)

1. The following shall be the examinations, leading to the Degree of Bachelor of Commerce (वाणिज्य स्नातक) namely :-
 - (i) the B.Com. Part-I (वाणिज्य स्नातक भाग-१) Examination,
 - (ii) the B.Com. Part-II (वाणिज्य स्नातक भाग-२) Examination, and
 - (iii) the B. Com. Final (वाणिज्य स्नातक अन्त्य) Examination.
2. The duration of the Degree Course under this Ordinance shall be of three academic years with the B.Com. Part-I (वाणिज्य स्नातक भाग-१) Examination at the end of the first academic year, the B.Com. Part-II (वाणिज्य स्नातक भाग-२) Examination at the end of the second academic year and the B. Com. Final (वाणिज्य स्नातक अन्त्य) Examination at the end of the third year.
3. The Examinations specified in the preceding paragraph shall be held twice a year at such places and on such dates as may be appointed by the Academic Council.
4. Subject to compliance with the provisions of this Ordinance and of other Ordinances in force from time to time, an applicant for admission to:-
 - (A) the B. Com. Part-I (वाणिज्य स्नातक भाग-१) Examination shall have :-
 - (i) passed the 12th Standard Examination of the Maharashtra State Board of Secondary and Higher Secondary Education, with English at Higher or Lower level and Modern Indian Languages at Higher or Lower level with any combination of optional subjects;

OR

XII Standard Examination of Maharashtra State Board of Secondary and Higher Secondary Education in Vocational Stream with one language only; or any other examination recognised as equivalent thereto; in such subjects and with such standards of attainments as may be prescribed;

* As amended by Ordinance No.1 of 1980, 43 of 1980, 4 of 1981, 30 of 1981, 12 of 1983, 19 of 1983, 7 of 1985, 4 of 1986, 17 of 1987, 10 of 1992, 4 of 1998, 2 of 1999, 9 of 2000, 11 of 2000, 16 of 2001 and 18 of 2003.

OR

- (ii) been unsuccessful at the Intermediate (10+2 Pattern) Examination of the University;
- (iii) The Students seeking admission for vocational subject under U.G.C. Scheme, shall be eligible who fulfil the following condition, besides the admission qualification laid down in paras 4(A) i) & ii) above.
The Students who has passed 10+2 with the subjects Accounting & Business Studies.
- (iv) Only 30 students will be eligible for admission for Vocational subject on merit basis.
- (B) The B. Com. Part-II (वाणिज्य स्नातक भाग-२) Examination shall have :-
 - (i) passed the (वाणिज्य स्नातक भाग-१) B. Com. Part-I Examination of the University with English as one of the subjects of passing or an examination recognised as equivalent thereto; and
- (C) B. Com. Final (वाणिज्य स्नातक अन्त्य) Examination shall have passed B. Com. Part-II (वाणिज्य स्नातक भाग-२) Examination of this University.
5. A collegiate candidate shall have prosecuted a regular course of study for not less than one academic year before being admitted to B. Com. Part-I (वाणिज्य स्नातक भाग-१) or the B.Com. Part-II (वाणिज्य स्नातक भाग-२) or the B.Com. Final (वाणिज्य स्नातक अन्त्य) Examination.
6. An applicant for the B. Com. Part-I (वाणिज्य स्नातक भाग-१) or the B. Com. Part-II (वाणिज्य स्नातक भाग-२) or the B. Com. Final (वाणिज्य स्नातक भाग-३) Examination shall have passed an examination specified in Clauses (A), (B) and (C) of Paragraph 4 respectively, not less than one academic year prior to his admission to the respective examination.
7. Without prejudice to the other provisions of Ordinance No. 6 relating to the Examinations in General, the provisions of Paragraphs 5, 7, 8, 10, 27 and 32 of the said Ordinance shall apply to every Collegiate candidate.
8. The fee for each of the examinations shall be as prescribed by the Competent Authority, time to time.
- #9. (A) An examinee for the B. Com. Part-I (वाणिज्य स्नातक भाग-१) examination shall be examined in the following subjects namely :-

1. Languages :
 - i. English
 - ii. Any one of the Languages as per Syllabus
2. Commerce Discipline:
 - i. Book keeping & Accountancy.
 - ii. Principles of Business Management.
 - iii. Principles of Economics.
3. Applied Component :
Any one subject from the applied component group given below:
 - i) Computer Fundamentals and Operating System.
 - ii) Taxation in India.
 - iii) Advertising, Sales Promotion and Sales Management.
 - iv) Office Management and Secretarial Practice.
 - v) Principles and Practice of Insurance.

OR

Any one subject from the following vocational subjects under U.G.C. Scheme.

- i) Tax Procedure and Practices.
- ii) Advertising, Sales Promotion and Sales Management.
- iii) Tourism and Travel Management.

*(AA) An examinee admitted in the Academic session 2003-04 for the B.Com. Part-I (वाणिज्य स्नातक भाग-१) and to be examined in Summer-2004 shall be examined in the following subjects namely:-

1. Languages :
 - i) English
 - ii) Any one of the languages as per syllabus
2. Commerce discipline:
 - i) Business Economics
 - ii) Financial Accounting
 - iii) Principles of Business Management
 - iv) Computer Fundamentals & Operating System.

\$9. (B) An examinee for the B. Com. Part-II (वाणिज्य स्नातक भाग-२)

* Shall have force from the academic session 2003-2004 for B.Com. Part-I Examination

Examination shall be examined in the following subjects namely :-

1. Languages :
 - i. English.
 - ii. Any one of the Languages as per Syllabus.
2. Commerce Discipline :
 - i. Economics (Money, International Trade and Public Finance)
 - ii. Advanced Accounting and Auditing.
 - iii. Mathematics and Statistical Techniques.
 - iv. Business Planning and Policies.
3. Applied Components :
Any one subject from the Applied Component Group given below.
Applied Component Group
 - i) Business Data Processing.
 - ii) Taxation in India.
 - iii) Advertising, Sales Promotion and Sales Management.
 - iv) Office Management and Secretarial Practice.
 - v) Principles and Practice of Insurance.
 - vi) Tax procedure and practices.

- (Notes) : 1. The Examinee must offer same subject from the applied Component group which he had offered for B.Com.I Examination.
2. The Examinees who offered the subject 'Computer Fundamentals and Operating System' for B.Com.Part-I from applied component group will have to offer the subject ' Business Data Processing' for B.Com.-Part II from the applied Component Group.).

Provided that every examinee shall be examined in the Language as offered for the B.Com. Part-I Examinations.

- ◆ (BB) An examinee admitted in the Academic session 2004-2005 for the B.Com.Part-II (वाणिज्य स्नातक भाग-२) and to be examined in Summer-2005 shall be examined in the following subjects namely:-

1. Languages :
 - i. English

◆ Shall have force from the academic session 2004-2005 for B.Com. Part-II Examination

ii. Any one of the languages as per syllabus

2. Commerce discipline:

- i. Corporate Accounting
- ii. Business Mathematics and Statistics
- iii. Income Tax & Auditing
- iv. Money and Financial System
- v. Information Technology and Business Data Processing.

Provided that every examinee shall be examined in the language as has been offered for the B.Com.Part-I, examination.

@ 9. (C) An examinee for the B. Com. Final (वाणिज्य स्नातक -अन्त्य) Examination shall be examined in the following subjects namely :-

1. Languages :
 - i) English
 - ii) Any one of the Languages as per Syllabus.
2. Commerce Discipline :
 - i. Economics (Economics of Development)
 - ii. Cost & Management Accounting.
 - iii. Business and Industrial Laws.
 - iv. Business Administration.
3. Applied Component :
Any one subject from the Applied Component Group given below :
Applied Component Group
 - i) Computer Applications.
 - ii) Taxation in India.
 - iii) Advertising, Sales Promotion and Sales Management.
 - iv) Office Management and Secretarial Practice.
 - v) Principles and Practice of Insurance.
 - vi) Tax procedure and practices.

- (Notes : 1. The Examinee must offer the same subject from the applied component group which he had already offered for B.Com.-Part-I Examination.
2. The Examinees who offered the subject 'Business Data Processing' for B.Com.-II from applied component group will have to offer the subject 'Computer Application' for B.Com.-III for the applied component group.)

Provided that every examinee shall be examined in the Language as has been offered for the B.Com.Part-II Examination.

■(CC)An examinee admitted in the academic session 2005-2006 for the B.Com.Final (वाणिज्य स्नातक अन्त्य) and to be examined in Summer 2006 shall be examined in the following subjects namely :-

1. Languages:

- i. English
- ii. Any one of the languages as per syllabus

2. Commerce Discipline:

- i. Cost & Management Accounting
- ii. Business Environment
- iii. Business Regulatory Frame work & Company Law
- iv. Any one combination from the following:
 - I. a) Financial Management
b) Financial Market Operations
 - II. a) Principles of Marketing
b) International Marketing
 - III a) Fundamentals of Insurance
b) Indian Banking system
 - IV a) Internet and world wide web
b) Essentials of E-Commerce

Provided that every examinee shall be examined in the language as has been offered for the B.Com. Part-II, examination.

10. (A) The scope of the subjects shall be as indicated in syllabi.
- #(B) Notwithstanding anything to the contrary, examinee shall have an option to offer any of the Medias - Marathi, Hindi or English for the Practical Part of the examination in the subject 'Accountancy' at any of the Examinations for M.Com./B. Com. degree irrespective of the Media offered by them for Theory Examination.

■ Shall have force from the academic session 2005-2006 for B.Com. Final Examination

11. The maximum marks which each subject carries and the minimum marks which an examinee must obtain in order to pass the B.Com. Part-I (वाणिज्य स्नातक भाग-१) or the B. Com. Part-II (वाणिज्य स्नातक भाग-२) or the B.Com.Final (वाणिज्य स्नातक अन्त्य) Examination as the case may be, shall be as indicated in Appendices "A" "B" and "C" respectively.

The maximum marks, which each subject carries and the minimum marks which an examinee must obtained in order to pass B.Com.Part-I (वाणिज्य स्नातक भाग-१) or B.Com.Part-II (वाणिज्य स्नातक भाग-२) or the B.Com.Final (वाणिज्य स्नातक अन्त्य) examination, Who shall be admitted in the academic session 2003-2004 for B.Com. Part-I, (वाणिज्य स्नातक भाग-१), 2004-2005 for B.Com. Part-II, (वाणिज्य स्नातक भाग-२) and 2005- 2006 for B.Com.Final (वाणिज्य स्नातक अन्त्य) and shall be examined in Summer-2004, Summer-2005, and Summer-2006 respectively, shall be as indicated in appendices A,B, and C respectively appended to the related regulation.

12. (a) There shall be no classification of examinees successful at the B. Com. Part-I (वाणिज्य स्नातक भाग-१) and B.Com. Part-II (वाणिज्य स्नातक भाग-२) Examinations.
- (b) Division at the B. Com. Final (वाणिज्य स्नातक अन्त्य) Examination shall be declared on the basis of the aggregate marks at the B. Com. Part-I (वाणिज्य स्नातक भाग-१) Examination, the B. Com. Part-II (वाणिज्य स्नातक भाग-२) Examination and the B. Com. Final (वाणिज्य स्नातक अन्त्य) Examinations taken together.

Provided that the division of a candidate who has passed the B.Com.Final (वाणिज्य स्नातक अन्त्य) Examination after passing the Intermediate Examination of the University or the Intermediate Commerce or the B. Com. Part-I(वाणिज्य स्नातक भाग-१) Examination of any other University shall be declared on the basis of the aggregate of marks obtained by him in the qualifying Examination calculated in proportion to the total marks allotted to the B. Com. Part-I(वाणिज्य स्नातक भाग-१) and the marks of the B. Com. Part-II (वाणिज्य स्नातक भाग-२) and of the B. Com.Final (वाणिज्य स्नातक अन्त्य)Examinations taken together.

- (c) Successful examinees at the B. Com. Part-I (वाणिज्य स्नातक भाग-१) the B. Com. Part- II (वाणिज्य स्नातक भाग-२) and of the the B. Com. Final (वाणिज्य स्नातक अन्त्य) Examinations taken together and obtaining 60% or more marks in the

aggregate shall be placed in the First Division; those obtaining less than 60% but not less than 45% in the Second Division and all other successful examinees in the Third Division.

13. Successful examinees in the B. Com. Part-I (वाणिज्य स्नातक भाग-१), the B. Com. Part-II (वाणिज्य स्नातक भाग-२), and B.Com. Final (वाणिज्य स्नातक अन्त्य) Examinations shall be awarded Distinction in each subject of the respective Group in which examinees obtain 75% or more marks in that subject at the respective Examination.

14. Unsuccessful examinees at the above examinations can be readmitted to the same examination on payment of a fresh fee and such other fees as may be prescribed.

@15 (A) Any person who has passed the First Degree Examination of this university in any Faculty except Commerce shall be admitted to the Examination in the additional subjects prescribed for the B. Com. Examinations, without being required to prosecute a regular course of studies in the subjects in a College, Such an examinee will be required to take the papers of subject from any of the group (except languages) comprised in any of the Boards of Studies prescribed for B. Com. Part-I Examination and the corresponding subjects from the same Boards of Studies prescribed for B. Com. Part-II and Final Examination simultaneously, and on securing not less than the minimum marks prescribed for the subjects shall be issued a Certificate of having passed the examination in that Additional Subjects as the case may be.

(B) The application for admission to the Examination under (A) above shall be submitted to the Registrar not less than three months before the date of commencement of the Examination.

16. Provisions of Ordinance No. 18 of 2001, relating to an Ordinance to provide grace marks for passing in a head of passing and improvement of Division (Higher class) and getting distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute No.18 , Ordinance 2001, and of Ordinance No.10 relating to grant of Exemptions and Compartment shall apply to the Examinations under this Ordinance.

17. As soon as possible after the examination, but not later than 30th June, next following, in case of examinations held in March-April and 28th February next following, in case of examinations held in October-November, the Board of Examinations shall

publish a list of successful examinees arranged in three Divisions. The names of the examinees passing the examination as a whole in the minimum prescribed period and obtaining the prescribed number of places in the First or Second Division shall be arranged in Order of Merit as provided in the Examinations in General Ordinance No. 6.

Provided that the merit lists only be published for Summer Examination.

18. Notwithstanding anything to the contrary in this Ordinance, no person shall be admitted to an examination under this Ordinance, if he has already passed the same examination or an equivalent examination of any other University.
19. Examinees successful at B. Com. Part-I (वाणिज्य स्नातक भाग-१) Examination and B. Com. Part-II (वाणिज्य स्नातक भाग-२) Examination shall be entitled to receive a certificate signed by the Registrar and those passing the B.Com Final (वाणिज्य स्नातक अन्त्य) Examination shall on payment of the prescribed fees receive a Degree in the prescribed form signed by the Vice-Chancellor.

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% APPENDIX - A

(वाणिज्य स्नातक भाग-१)

B. Com. Part-I Examination.

Subject	Theory Practical	Maximum Marks	Minimum Marks
1) Languages :			
i. English	Theory	100	30
ii. Any one of the following Languages. (Marathi, Hindi, Sanskrit, Urdu, Pali & Prakrit and Supplementary English)	Theory	100	30
2) Commerce Discipline :			
i. Book Keeping and Accountancy.	Theory	100	30
ii. Principles of Business Management.	Theory	100	30
iii. Principles of Economics	Theory	100	30
3) Applied Component :			
Any one Subject from the following			
i) Computer fundamentals and Operating System.	Theory Practical	60 40	18 12
ii) Taxation in India.	Theory	100	30
iii) Advertising, Sales Promotion and Sales Management.	Theory	100	30
iv) Office Management and Secretarial Practice.	Theory	100	30
v) Principles and Practice of Insurance.	Theory	100	30
OR			
Any One Subject from the following Vocational Subjects Under U.G.C.Scheme.			
i) Tax Procedure and Practices.	Theory Sessional	80 20	24 6
ii) Advertising, Sales Promotion and Sales Management.	Theory Sessional	80 20	24 6
iii) Tourism and Travel Management.	Theory Sessional	80 20	24 6

+ APPENDIX -B

(वाणिज्य स्नातक भाग-२)

B. Com. Part-II Examination.

Subject	Paper	Maximum Marks	Minimum Marks
1) Languages :			
i. English	Paper	50	18
ii. Any one of the following Languages (Marathi, Hindi, Sanskrit, Urdu, Pali & Prakrit and Supplementary English)	Paper	50	18
2) Commerce Discipline :			
i. Economics (Money, Income, International Trade and Public Finance)	Paper	100	35
ii. Advanced Accounting & Auditing	Paper	100	35
iii. Mathematics and Statistical Technics.	Paper	100	35
iv. Business Planning & Policies	Paper	100	35
3) Applied Component:			
Any one Subject from the following	Paper	100	35
i) Business Data Processing	Theory	60	21
	Practical	40	14
ii) Taxation in India.	Theory	100	35
iii) Advertising, Sales Promotion and Sales Management.	Theory	100	35
iv) Office Management and Secretarial Practice.	Theory	100	35
v) Principles and Practice of Insurance.	Theory	100	35
vi) Tax procedure and practices	Theory	80	28
	Practical	20	7

- (Notes:** 1. The Examinee must offer same subject from the applied Component group which he had offered for B.Com.I Examination.
2. The Examinees who offered the subject 'Computer Fundamentals and Operating System' for B.Com.Part-I from applied component group will have to offer the subject 'Business Data Processing' for B.Com.Part-II from the applied Component Group.)

= APPENDIX - C

(वाणिज्य स्नातक अन्त्य)

B. Com. Final Examination.

Subject	Paper	Maximum Marks	Minimum Marks
1) Languages :			
i. English	Paper	50	18
ii. Any one of the following Languages (Marathi, Hindi, Sanskrit, Urdu, Pali & Prakrit and Supplementary English).	Paper	50	18
2) Commerce Discipline :			
i. Economics (Economics of Development)	Paper	100	35
ii. Cost & Management Accounting.	Paper	100	35
iii. Business and Industrial Law	Paper	100	35
iv. Business Administration	Paper	100	35
3) Applied Component :			
Any One Subject from the following.	Paper	100	35
i) Computer Applications.	Theory	60	21
	Practical	40	14
ii) Taxation in India.	Theory	100	35
iii) Advertising, Sales Promotion and Sales Management.	Theory	100	35
iv) Office Management and Secretarial Practice.	Theory	100	35
v) Principles and Practice of Insurance.	Theory	100	35
vi) Tax procedure and practices	Theory	80	28
	Practical	20	7

- (Notes:** 1. The Examinee must offer the same subject from the applied component group which he had already offered for B.Com.Part-I Examination.
2. The Examinees who offered the subject 'Business Data Processing' for B.Com.-II from applied component group will have to offer the subject 'Computer Application' for B.Com.-III from the applied component group.)

Examination in Environmental Studies leading to Bachelor Degree, Ordinance, 2005

Whereas it is expedient to frame an Ordinance relating to Examination in Environmental Studies leading to Bachelor Degree level, hereinafter appearing, the Management Council is hereby pleased to make the following Ordinance.

1. This Ordinance may be called "Examination in Environmental Studies leading to Bachelor Degree, Ordinance, 2005."
2. This Ordinance shall come into force from the Academic session 2005-06.
3. In this Ordinance and in other ordinances relating to the examination, unless there is anything repugnant in the subject or context :-
 - (i) "Academic session" means a session commencing on such date and ending with such date of the year following as may be appointed by the Management Council.
 - (ii) "Admission to an examination" means the issuance of an admission card to a candidate in token of his having complied with all the conditions laid down in the relevant ordinance, by a competent officer of the University.
 - (iii) "Applicant" means a person who has submitted an application to the University in the form prescribed for admission to an examination.
 - (iv) "Candidate" means a person who has been admitted to an examination by the University.
 - (v) "Regular Candidate" means an applicant who has applied for admission to a University examination through an affiliated college, Department or Institute in which he/she has prosecuting a regular course of study.
 - (vi) "Examinee" means a person who present himself/herself for an examination to which he/she has been admitted.
 - (vii) "Examination" means an examination prescribed by the University under the relevant Ordinance.
 - (viii) "External Candidate" means a candidate who is allowed to take a University examination in accordance with the provision of Original Ordinance No. 151.
 - (ix) "Non-Collegiate Candidate" means a candidate who is not a collegiate candidate.

* As amended vide Ord. Nos. 7 of 2006 and 10 of 2007.

- (x) An "Ex-student" is a person who having once been admitted to an examination of this University, is again required to take the same examination by reason of his failure or absence thereat and shall include a student who may have joined a college, Department or Institute again in the same class.
 - (xi) "Bachelor Degree Examination" means a examination leading to Bachelor Degree of the University.
 - (xii) "Previous Year" means a year following by final year of Bachelor Degree.
4. Save as otherwise specifically provided, the conditions prescribed for admission to the examination under this Ordinance shall apply to all persons who wish to take the examination to the Degrees of the University mentioned in para 5 below.
 5. The conditions prescribed for admission to examination under this Ordinance shall apply to following degrees of the University :-
 - 1) Bachelor of Arts
 - 2) Bachelor of Performing Arts
 - 3) Bachelor of Fine Arts
 - 4) Bachelor of Mass Communication
 - 5) Bachelor of Social Work
 - 6) Bachelor of Commerce
 - 7) Bachelor of Business Administration
 - 8) Bachelor of Science
 - 9) Bachelor of Computer Science
 - 10) Bachelor of Computer Applications
 - 11) Bachelor of Pharmacy
 - 12) Bachelor of Science (Home Science)
 - 13) Bachelor of Technology (Cosmetics)
 - 14) Bachelor of Engineering
 - 15) Bachelor of Engineering (Part Time) (Civil)
 - 16) Bachelor of Textile
 - 17) Bachelor of Technology (Chemical Technology)
 - 18) Bachelor of Technology (Chemical Engg.)
 - 19) Bachelor of Architecture, and
 - 20) Bachelor of Laws (Five Year Course)
 - 6 i) Environmental Studies shall be a compulsory subject for a previous year examination of the following Bachelor Degrees of the University,
 - 1) Bachelor of Arts
 - 2) Bachelor of Performing Arts
 - 3) Bachelor of Fine Arts
 - 4) Bachelor of Mass Communication
 - 5) Bachelor of Social Work

- 6) Bachelor of Commerce
 - 7) Bachelor of Business Administration
 - 8) Bachelor of Science
 - 9) Bachelor of Computer Science
 - 10) Bachelor of Computer Applications
 - 11) Bachelor of Pharmacy
 - 12) Bachelor of Science (Home Science)
 - 13) Bachelor of Technology (Cosmetics)
 - 14) Bachelor of Engineering (Part Time) (Civil)
 - ii) Environmental Studies shall be a compulsory subject for IIIrd & IVth Semester of the following Bachelor Degrees of the University,
 - 1) Bachelor of Engineering
 - 2) Bachelor of Textile
 - 3) Bachelor of Technology (Chemical Technology)
 - 4) Bachelor of Technology (Chemical Engineering)
 - 5) Bachelor of Architecture, and
 - iii) Environmental Studies shall be a compulsory subject for Vth & VIth Semester of the Degree of Bachelor of Laws (Five Year Course)
 - iv) Students admitted to Second Year/Third Year/IVth Semester/ VIth Semester of various degree examination courses in different Faculties in the academic session 2005-06 thereafter shall have to appear for examination in the subject Environmental Studies.
7. The main examination leading to Environmental Studies shall be held in Summer and supplementary examination in Winter every year, at such places and on such dates as may be appointed by Board of Examinations.
Explanation:- Examination shall be conducted on the basis of one common question paper for all Bachelor Degree Examination courses irrespective of annual or semester pattern.
 8. Scope of the subject for annual pattern examination and or semester pattern examination shall be as provided under the syllabus.
 9. Common question paper for all courses covered under this Ordinance alongwith answer books shall be supplied by the University to the Colleges, Departments and Institutes for conducting the examination of the subject.
 10. Valuation of the answer books relating to this subject shall be done at College/Department/Institution level only. Remuneration for valuation of answer books shall not be paid by the University.
Provided that prescribed evaluation fee for evaluation of each answer book/s of an external examinees appeared from the examination centre shall be paid to each examination centre.
 11. It shall be obligatory on the part of the College/Department/Institute to

submit candidate wise following information to the University on or before the date as may be prescribed by the University :-

Sr. No.	Grade/Category	Marks secured
1.	“A”	- 60 and above
2.	“B”	- 45 to 59
3.	“C”	- 35 to 44
4.	“D”	- 25 to 34
5.	“Fail”	- 24 and below
6.	“Absent”	

12. For the purposes of teaching, learning and examination, the Committee consisting of three teachers shall be appointed by the Principal/ Head of the Department/Head of the Institution under his/her Chairmanship/ Chairpersonship. While appointing three teachers on the said committee, the Principal shall take care that the teachers to be appointed on the committee, if necessary, shall be from different faculty.
13. i) Duration of theory examination of this subject shall be three hour.
ii) For all Bachelor Degree examinations, common question paper of 100 marks shall be provided by the University.
iii) Distribution of these 100 marks shall be as follows :-

a) Part-A, Short Answer Pattern	-	25 Marks
b) Part-B, Essay type with inbuilt choice	-	50 Marks
c) Part-C, Essay on Field Work	-	25 Marks
14. Medium of instruction shall be English or Marathi or Hindi. Question paper shall be supplied in English and Marathi and Hindi. A candidate shall have option to write answers in English or Marathi or Hindi.
15. Examination for the subject Environmental Studies shall be compulsory for external candidates appearing as a fresh candidate at Winter and/or summer examination.
16. For teaching of the subject, there shall be atleast two hour per week.
For teaching the subject to the regular candidates, a full time approved teacher of the University and or a person having Postgraduate Degree in any faculty with second class shall be considered elligible.
17. For teaching of the subject, additional fee to be charged to regular candidate shall be as prescribed by the University.
18. Every College/ University Teaching Department shall charge additional fee of Rs. 100/- to every Student of the subject Environmental studies. Out of this Rs. 100/-, the College/University Teaching Department shall

have to pay Rs. 25/- to the University as an examination fee of each candidate for the subject environmental studies.

19. The Grade secured by an examinee in the examination of this subject shall not be considered for providing the facility of A.T.K.T. in next higher class.
20. The provisions of Ordinance No. 18/2001 shall not be applicable for securing a grade or higher grade in the examination of this subject.
21. Result of the Final Year of the respective Degree shall not be declared of an examinee unless he/she secures any one of the grade in the examination of subject.

Provided an examinee admitted to Five Year LL.B. course desiring not to continue his/her education beyond Sixth Semester of the said course shall have to secure any one of the grade in the examination of the subject otherwise his/her result of Sixth Semester for awarding B.A. degree shall not be declared.

22. Certificate shall be issued, to the successful examinees in the subject Environmental Studies, after the examination.

SANT GADGE BABA AMRAVATI UNIVERSITY.

The Executive Council dated 1/2-4-1977 has prescribed the Teaching Periods in the various subject as follows :

COMMERCE FACULTY

B.Com.Part-I	Accountancy	5 Periods per week.
	* Principles of Economics.	5 Periods per week.
	Other Subjects.	4 Periods per week.
	English	4 Lectures and 1 tutorial per week. (For a batch of 20 Students. A batch will not exceed 20 by more than 10% of 20)
	Other Languages	4 Periods per week.
B.Com.Part-II & B.Com.(Final)	* For all subjects	5 Periods per week.
	except Languages	
	*II For Languages	
	1.For English	3 Periods per week.
	2.For Marathi & Other	2 Periods per week. Indian Languages.

* Latest amended by the Executive Council, Dated 27/28-4-1979.

REGULATION NO. 41 OF 2003

Examinations leading to the Degree of Bachelor of Commerce (वाणिज्य स्नातक) (Three Year Degree Course) Regulation 2003.

Whereas it is expedient to make Regulation in respect of Examinations leading to the Degree of Bachelor of Commerce (वाणिज्य स्नातक) (Three Year Degree Course) for the purposes hereinafter appearing, the Management Council is hereby pleased to approve following Regulation.

1. This Regulation may be called "Examination leading to the Degree of Bachelor of Commerce (वाणिज्य स्नातक) (Three Year Degree Course) Regulation 2003.
2. This Regulation shall come into force from
 - i) the Academic session 2003-04 for B.Com.Part-I,
 - ii) the Academic session 2004-2005 for B.Com.Part-II, and
 - iii) the Academic session 2005-2006 for B.Com.Final.
3. The schemes of examinations and teaching in respect of B.Com.Part- I, B.Com.Part- II and B.Com.Final course shall be as provided under appendices A, B, and C appended with this Regulation respectively.

- APPENDIX- A

(वाणिज्य स्नातक भाग-१)

B.Com. Part-I Examination

Subject	Theory Practical	Maximum Marks	Minimum Marks
1) Languages:			
i. English	Theory	100	30
ii. Any one of the Languages as per syllabus	Theory	100	30
2) Commerce Discipline:			
i. Business Economics	Theory	100	30
ii. Financial Accounting	Theory	100	30
iii. Principles of Business Management	Theory	100	30
iv. Computer Fundamentals & Operating System	Theory Practical	60 40	18 12

+ APPENDIX-B

(वाणिज्य स्नातक भाग-२)

B.Com. Part-II Examination.

Subject	Theory Practical	Maximum Marks	Minimum Marks
1) Languages :			
i. English	Theory	50	18
ii. Any one of the Languages as per syllabus	Theory	50	18
2) Commerce Discipline:			
i. Corporate accounting	Theory	100	35
ii. Business Mathematics and Statistics	Theory	100	35
iii. Income Tax & Auditing	Theory	100	35
iv. Money & Financial System	Theory	100	35
v. Information Technology, and Business Data Processing	Theory Practical	60 40	21 14

+ APPENDIX-C
(वाणिज्य स्नातक अन्त्य)
B.Com. Final Examination.

Subject	Theory Practical	Maximum Marks	Minimum Marks
1) Languages :			
i. English	Theory	50	18
ii. Any one of the Languages as per syllabus	Theory	50	18
2) Commerce Discipline:			
i. Cost & Management Accounting	Theory	100	35
ii. Business Environment	Theory	100	35
iii. Business Regulatory Framework & Company Law	Theory	100	35
iv. Any One Combination from the following			
I) i. Financial Management	Theory	70	21
	Practical	30 *	14
ii. Financial Market Operations	Theory	70	21
	Practical	30 *	14
II) i. Principles of Marketing	Theory	70	21
	Practical	30 *	14
ii. International Marketing	Theory	70	21
	Practical	30 *	14
III) i. Fundamentals of Insurance	Theory	70	21
	Practical	30 *	14
ii. Indian Banking System	Theory	70	21
	Practical	30 *	14
IV) i. Internet and World wide Web	Theory	70	21
	Practical	30	14
ii. Essentials of E-Commerce	Theory	70	21
	Practical	30	14

*** SCORE SYSTEM IN PRACTICAL**

- i) Two best out of three periodical class tests held in a given course shall carry a weightage of 15 marks.
- ii) A better of the two assignment-based class presentations to be selflessly assessed by the teacher concerned shall account for 5 marks.
- iii) Active participation in routine class instructional deliveries shall become the basis for award of another 5 marks.
- iv) Overall conduct as a responsible student, mannerism and articulation, and exhibit of leadership qualities in organizing related academic activities shall claim consideration worth 5 marks.

DIRECTION

No.17/2011

Date: 21/5/2011

Subject : Scheme of examination for B.Com. Part-II

Whereas, Regulation No. 41 of 2003 relating to the examinations leading to the Degree of Bachelor of Commerce (वाणिज्य स्नातक) (Three Year Degree Course) is in existence in the University.

AND

Whereas, the scheme of examinations for B.Com.Part-II is provided in Regulation No.41 of 2003, under Appendix-B.

AND

Whereas, the Academic Council has resolved to accept to introduce the provision of internal assessment marks for B.Com.Part-I,II & Final examinations in its meeting held on 9/11/2009 vide item No. 46.

AND

Whereas, the Academic Council has resolved to accept the revised scheme of examinations for B.Com.Part-I,II & Final, in its meeting held on 9/11/2009 vide item No. 46.

AND

Whereas, the Academic Council has accepted the changes in existing scheme of examination for B.Com.Part-II to be implemented from the academic session 2011-2012.

AND

Whereas, the Academic Council in its meeting held on 9/11/2009 vide item No.46 has resolved to refer the matter to the Ordinance Committee for amending the respective Regulation.

AND

Whereas, the changes in scheme of examination is required to be incorporated in Appendix-B appended with the Regulation No.41 of 2003 relating to the Examination leading to the Degree of Bachelor of Commerce (वाणिज्य स्नातक) (Three Year Degree Course).

AND

Whereas, original Regulation No. 41 of 2003 is required to be amended for changing the scheme of examination for B.Com Part-II.

AND

Whereas, the revised scheme of examination for B.Com Part-II is to be made available from the academic session 2011-2012.

AND

Whereas, the matter for changing the scheme of examinations for theory and internal assessment marks is required to be regulated by the Regulation, and making amendment in Regulation is time consuming process.

Now, therefore, I, Dr. M.K. Khedkar , Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati in exercise of the powers conferred upon me under sub section (8) of section 14 of the Maharashtra Universities Act,1994, do hereby direct as under-

- 1) This Direction may be called, "Examinations leading to the Degree of Bachelor of Commerce (वाणिज्य स्नातक) (Three Year Degree Course) Direction, 2011."
- 2) This direction shall come into force from the date of its issuance.
- 3) The revised scheme of examination for theory/ internal assessment and Practical marks for B.Com Part-II shall be applicable from the academic session 2011-2012 as given below-

Subject		Maximum Marks	Minimum Marks
1) Languages :			
i) English	Theory	35	12
	Internal	15	06
ii) Any one of the languages as per syllabus	Theory	35	12
	Internal	15	06
2) Commerce Discipline :			
i) Corporate Accounting	Theory	70	24
	Internal	30	11
ii) Business Mathematics and Statistics	Theory	70	24
	Internal	30	11
iii) Income Tax & Auditing	Theory	70	24
	Internal	30	11
iv) Money & Financial System	Theory	70	24
	Internal	30	11
v) Information Technology, and Business Data Processing	Theory	60	21
	Practical	40	14

Scheme for internal marks

For 30 Marks : 2 Class Room Test (5 Marks each)	...	10 Marks
Home Assignment	...	10 Marks
Seminar/Group Discussion	...	10 Marks
For 15 Marks : Class Room Test	...	05 Marks
Home Assignment	...	05 Marks
Seminar/Group Discussion	...	05 Marks

Amravati.

Sd/-
(Dr.M.K.Khedkar)
Vice-Chancellor

Date: 30/4/2011

Detailed Syllabus for B.Com.Part-II

1. LANGUAGES

(I) ENGLISH (COMPULSORY)

Marks: 35

Time :2 Hours

1) A) For Detailed Study :

'Easy English'

(An Anthology of Prose, Poetry and One Act Plays for college students.) Ed. by Suresh Chandra, S.Chand & Co.Ltd.Delhi.

Lessons prescribed for detailed study :-

- | | | |
|---------------------------------|---|---------------------------|
| 1) Essentials of Education | - | Sir Richard Living stone. |
| 2) Child Marriage | - | M.K.Gandhi. |
| 3) The Panorama of India's Past | - | J.L.Nehru |
| 4) My Lost Dollar | - | Stephen Leacock |
| 5) A Tiger for Malgudi | - | R.K.Narayan |
| 6) The Golden Watch | - | Mulk Raj Anand |
| 7) The Two Friends | - | Margaret Atwood |
| 8) Monday Morning | - | Mark Twain. |

B) Poetry :

- | | | |
|---------------------------|---|----------------|
| 1) Passage to India | - | Walt Whitman |
| 2) Trees | - | Keshav Meshram |
| 3) The Cloud | - | P.B.Shelly |
| 4) The Railway Clerk | - | Nissim Ezekiel |
| 5) Whom Dost Thou Worship | - | R.N.Tagore |
| 6) The Unknown Citizen | - | W.H.Anden |

2) BOOK PRESCRIBED :-

'Synergy'

(Communication in English and Study Skills)

Edited by- Board of Editors, Orient Blackswan.

Following chapters from Communication skills are prescribed :-

- 1) An Introduction to Communication.
- 2) Interview and Interviewing skills.
- 3) Presentations.

DISTRIBUTION OF MARKS.

1) Easy English

A) Prose :

Any 3 out of 5 short answer questions ... 15Marks
(5Marks each)
(Answer should be in about 100 words each)..

B) Poetry

Any 3 out of 5 short answer questions ... 12 Marks
(4 Marks each)
(Answer should be in about 100 words each)

2) **SYNERGY**

Any 2 out of 3 short answer questions .. 08 Marks
(4 Marks each)
(Answer should be in about 100 words each)

Internal Assessment : (for 15 marks)

- | | | |
|-----------------------------|---|----------|
| 1) Home Assignment | - | 05 Marks |
| 2) Unit Test | - | 05 Marks |
| 3) Seminar/Group discussion | - | 05 Marks |

(II) ANY ONE OF THE FOLLOWING LANGUAGES

१) मराठी (आवश्यक)

वेळ : २ तास

गुण : ३५

पुस्तकाचे नांव — ज्ञानदीप भाग - २
प्रकाशनाचे नांव — प्रशांत पब्लिकेशन्स, जळगांव

अनुक्रमणिका

विभाग - अ वैचारिक

क्रमांक	पाठाचे नांव	लेखकाचे नाव
१.	सार्वजनिक सत्यधर्म	- महात्मा फुले
२.	आता कुंपणे नकोत	- विनोबा भावे
३.	भाषाभिवृद्धीची सामाजिक दृष्टी	- श्री. म. माटे
४.	एकविसाव्या शतकातील पर्यावरण	- निरंजन घाटे
५.	ग्रामीण स्त्री : मुक्तीच्या शोधात	- डॉ. लीला पाटील
६.	महाराष्ट्राच्या उद्योगपर्वाचे शिल्पकार शंतनुराव किलोस्कर	- डॉ.प्र.चिं. शेजवलकर

विभाग - ब - ललित

७.	माणुसकीच्या मर्यादा	- पु.भा. भावे
८.	अरणी	- मारुती चित्तमपल्ली
९.	आमचा बाप	- डॉ. नरेंद्र जाधव
१०.	भामटा गणपत	- डॉ.मधुकर वाकोडे
११.	परी राणीच्या राज्यात	- डॉ. श्रीकांत तिडके

विभाग - क - कविता

१२.	दादला	- संत एकनाथ
१३.	अभंगवाणी	- संत तुकाराम

१४.	संसार संसार	- रुक्मिणीबाई पाटील
१५.	नाही कोणी का कुणाचा	- बा.सी. मर्ढेकर
१६.	उषःकाल होता होता	- सुरेश भट
१७.	हया नभाने	- ना.धों. महानोर
१८.	जागतिकीकरणात माझी कविता	- उत्तम कांबळे

विभाग- ड -निबंध

व्यापार, उद्योग, सामाजिक आणि पर्यावरण या विषयांवर आधारित निबंध.

मराठी (आवश्यक)

प्रश्नपत्रिकेचे स्वरूप

वेळ : २ तास

गुण : ३५

प्रश्न १ ला -	वैचारिक विभाग - एक दीर्घोत्तरी-	०६ गुण
प्रश्न २ रा -	वैचारिक विभाग - एक लघुत्तरी -	०४ गुण
प्रश्न ३ रा -	ललित विभाग - एक दीर्घोत्तरी -	०६ गुण
प्रश्न ४ था -	ललित विभाग - एक लघुत्तरी -	०४ गुण
प्रश्न ५ वा -	कविता विभाग - दोन लघुत्तरी -	०८ गुण
प्रश्न ६ वा -	निबंध एक (व्यापार, उद्योग, सामाजिक आणि पर्यावरण विषयांवर आधारित)	०७ गुण
		३५ गुण

गुण विभागणी

विभाग अ -	वैचारिक -	पाठ क्र. १ ते ६ -	१० गुण
विभाग ब -	ललित -	पाठ क्र. ७ ते ११ -	१० गुण
विभाग क -	कविता -	कविता क्र. १२ ते १८ -	०८ गुण
विभाग ड -	निबंध एक (व्यापार, उद्योग, सामाजिक आणि पर्यावरण विषयांवर आधारित)		०७ गुण
			३५ गुण

सूचना - प्रत्येक दीर्घोत्तरी व लघुत्तरी प्रश्नाला अंतर्गत पर्याय राहिल.

२) हिन्दी (अनिवार्य)

समय : २ घंटे

कुल अंक : ३५

पाठ्यपुस्तक - 'अपूर्वा' जयभारती प्रकाशन, इलाहाबाद

पाठ्यक्रम ज्ञा इजाझों में अंज विभाज-न एवं प्रश्नों ज्ञा स्वरूप निम्ना-नुसार है ।

सूच-११-अंतर्गत मूल्यांकनासाठी एडूज १५ जुज असू-१ त्याचे जुज विभाज-१ जालील प्रमाणे आहे.

- | | | | |
|----|-------------------------------------|---|--------|
| 1) | समूहचर्चा अथवा चर्चासत्र (परिसंवाद) | - | 05 जुज |
| 2) | घटज चाचजी | - | 05 जुज |
| 3) | जृहपाठ | - | 05 जुज |

4) URDU (COMPULSORY)

Time : 2 Hours

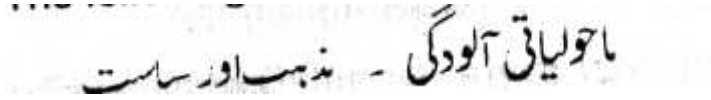
Marks : 35

TEXT PRESCRIBED : SHUA-E-ADAB (Part-II)

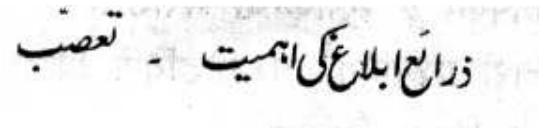
Published by TAFSA Printers & Publishers, Amravati.

UNITWISE DISTRIBUTION OF MARKS

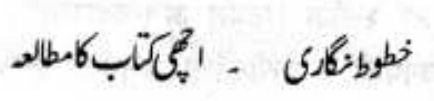
Unit-I : The following Five lessons from Text. 10



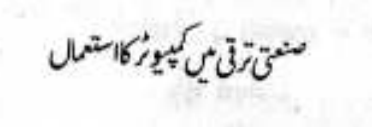
Unit-II: The following Lessons from Text. 05



Unit-III: The following Three lessons from Text. 08



Unit-IV : The following Two lessons from Text. 05



- Unit-V : Communication skill - 07
- (a) Official letters.
- (b) Commercial letters.
- Orders, Sale Purchases letters etc.

5) PALI AND PRAKRIT (COMPULSORY)

Time : 2 Hours

Marks : 35

Prescribed selections from Pali Texts:

- अ) जद्य विभाज (जज्ज विभाजो)- 15 जुज
- 1) अंजुलिमालसुत्त (मज्झिम निज्जय)
- 2) तुंरुंजमिजजातज जातजज्थापालि
- 3) पटिच्चसमुत्पाद सुत्तं (संयुत्तनिज्जयपालि)
- 4) वेसलियापच्छिमदस्स-1 (महापरिनिब्बा-1सुत्तपालि)
- ब) पद्य विभाज (पद्य विभाजो) - 10 जुज
- 1) चित्तवज्ज (धम्मपदपाली)
- 2) पुज्जिजाथेरीजाथा (थेरीजाथापालि)
- 3) सिविराजचरिय (चरियापिटज पालि)
- ज) पाली व्याजरज - 05 जुज
- 1) संधि व संधिचे प्रजार
- 2) सर्व-गम व सर्व-गमाचे प्रजार
- ड) वाजिज्य संदेशवह-1 (वाजिज्यो संदेशवह-गो)- 05 जुज
- 1) पालि पत्र व्यवहार(पालि पज्जाचारो)
- 2) पालि निबंध (पाली निबंध-धो)

प्रश्न-पत्रिका जुज विभाजजी

- प्रश्न-1 ला जद्य पाठावरील मुळ पाली उताऱ्याचे भाषांतर 10 जुज
- प्रश्न-2 रा पद्य पाठावरील मुळ पाली चार जाथा पैजी 08 जुज
- दो-1 चे भाषांतर
- प्रश्न-3 रा जद्य पाठावरील दीर्घोत्तरी प्रश्न-2 पैजी 10 जुज
- एज सोडवा
- प्रश्न-4 था पद्य लघुत्तरी - टिपजात्मज 2 पैजी 1 सोडवा 02 जुज
- प्रश्न-5 वा पालि पत्रव्यवहार व पालि निबंध 05 जुज

संदर्भ ग्रंथ :-

- 1) मज्झिम-निजायपालि : इजतपुरी संस्करण , -नालंदा संस्करण
- 2) जातक पालि : इजतपुरी संस्करण , -नालंदा संस्करण
- 3) संयुक्त-निजायपालि : इजतपुरी संस्करण , -नालंदा संस्करण
- 4) दीर्घ-निजायपालि : इजतपुरी संस्करण , -नालंदा संस्करण
- 5) सुत्त-निपातपालि : डॉ.भिक्षु धर्मरजित
- 6) धम्मपदपालि : डॉ.भ.आ.जौशल्याय-1
- 7) थेरीजाथा : डॉ.विमल जीर्ती
- 8) चरियापिटक : डॉ.भिक्षु धर्मरजित
- 9) पालि - व्याकरण : डॉ.शेषराव मेश्राम
- 10) पालि - निबंध : डॉ.हरिशंकर शुक्ला

सूच-11 : अंतर्गत मूल्यांकन-आसाठी 15 जुन असून-1, त्याचे विभाजन-1 जालील प्रमाणे राहिल.

- 1) समुहचर्चा जिवा चर्चासत्र - 5 जुन
- 2) घटक चाचणी - 5 जुन
- 3) जूहपाठ - 5 जुन

6) SUPPLEMENTARY ENGLISH**Marks : 35****Time: 2 Hours****Level of knowledge :**

To help the young learners acquire an advanced knowledge of the language and make it easy to learn and understand its subtle nuances.

A) Course Content :

Textual Content :

1. SESAME - Edited by K.K.Reddy, S.Chand.

Following lessons are prescribed:

1. Socrates - J.B.Neilson
2. The Verger - S.Maugham
3. An Astrologer's Day - R.K.Narayan
4. The Secret of Work - Swami Vivekananda

5. What is wrong with Indian Films - Satyajit Ray
 6. Knowledge and Wisdom - Bertrand Russell
 7. How to make a Speech - Edgar I.Baker
 8. The Role of Universities - Jawaharlal Nehru.
- B)** The second book prescribed for B.Com.II.Supplementary English is "PLEASANT PROSE SELECTIONS".

Following lessons are for study.

01. Mabel - W.Somerset Maugham
02. Too Dear - Leo Tolstoy
03. The Bet - Anton Chekhov
04. Half-A-Rupree Worth - R.K.Narayan
05. The Last Leaf - O.Henry
06. A Cup of Tea - Katherine Mansfield

Distribution of Marks**SESAME**

- i) Long Answer Questions 3 X 5 Marks = 15 Marks
(Three out of Five)
- ii) Short Answer Questions 2 X 3 Marks = 06 Marks
(Two out of Three)

Pleasant Prose Selections

Two Long Answer Questions - 2 X 7 Marks = 14 Marks

35 Marks**Scheme for Internal Assessment**

(For 15 Marks)

1. Classroom Test - 5 Marks
2. Home Assignment - 5 Marks
3. Seminar/Group Discussion - 5 Marks

2. COMMERCE DISCIPLINE

(i) CORPORATE ACCOUNTING

Time : 3 Hours

Marks : 70

Objective: This course enable the students to develop awareness about corporate accounting in conformity with the provisions of Companies Act.

Unit-I	Issue, Forfeiture and Re-issue of shares.
Unit-II	Final Accounts of Company : Manufacturing Account, Trading Account, Profit & Loss Account, Profit & Loss Appropriation Account & Balance sheet with Adjustment.
Unit-III	3.1 Liquidation of Company. 1.2 Valuation of Goodwill and shares.
Unit-IV	4.1 Amalgamation and Absorption of Companies. 1.2 Profit prior to incorporation.
Unit-V	Funds Flow Statement : Concept of Fund, What is flow of Fund, Rules of Fund flow statement, Schedule of changes in working capital, Statement of sources and Application of Fund.

BOOKS RECOMMENDED :

- Gupta R.L., Radhaswamy M : Company Accounts; Sultan Chand and Sons, New Delhi.
- Maheshwari S. N. : Corporate Accounting; Vikas Publishing House, New Delhi.
- Monga J. R., Ahuja, Girish, and Sehgal Ashok : Financial Accounting; Mayur Paper Back, Noida.
- Shukla M. C., Grewal T. S. and Gupta S. C. : Advanced Accounts; S. Chand & Co., New Delhi.
- Moore C. L. and Jaedicke R. K. : Managerial Accounting; South Western Publishing Co., Cincinnati, Ohio.
- R.R.Gupta : Advanced Accountancy.
- Dr.Medha Kanetkar, Dr.D.R.Baheti : Corporate Accounting -Shri Sainath Prakashan, Nagpur.

हिन्दी :

- गुप्ता : एडवान्स एकाउन्ट्स.
- जे.के. अग्रवाल : बृहत लेखाकर्म.

- ए.एन.अग्रवाल : उच्चतर लेखाविज्ञान.

मराठी :

- नाथ, लांजेवार, भागवत, दलाल : उच्च लेखाकर्म
- लांजेवार, गुल्हाने, कडु : उच्च लेखाकर्म - भाग-२
- उखळकर : उच्च लेखाकर्म - खंड-२.
- रोडे, स्मार्त, कडु, पांडे : कंपन्यांची खाती.
- प्रा.अब्दूल बारी, डॉ.अरविंद शेंडे, प्रा.माधव हाते, डॉ.सुभाष जाधव : निगमिय लेखांकन -अनुराधा प्रकाशन, नागपूर-२४

(ii) BUSINESS MATHEMATICS AND STATISTICS

Time : 3 Hours

Marks : 70

Objectives : The objective of this course is to enable the students to have such minimum knowledge of Mathematics and to gain understanding of Statistical techniques as are applicable to business and economic situations.

Unit-I	1.1	a) Natural Numbers, Integers, H.C.F. & L.C.M on two or more integers. b) Linear Equation in one and two variables method with application.
	1.2	Ratio and percentage. Concept of proportion. Simple and Compound proportion, Direct and inverse proportion.
	1.3	Mathematics of Finance : Simple Interest, Compound Interest, Concept of present value and amount of a sum, Annuities, Types of annuities, Present value and amount of an annuity including the case of continuous compounding.
Unit-II		Introduction : Statistics as a subject, Descriptive Statistics- Compared to Inferential Statistics, Types of data, Collection, Tabulation and presentation of statistical data. Index numbers. Construction of Index Number.
Unit-III		Analysis of Univariate Data : Construction of a frequency distribution, Concept of central tendency- and their measures, Arithmetic average, Geometric average, Harmonic average and weighted average, Median and Mode.
Unit-IV		Concept of dispersion, Absolute and Relative measures of dispersion skewness and measures.

Unit-V

Analysis of **Bivariate** Data :

- a) **Co-efficient of correlation karl Pearson's** Formula. Calculation of Co-efficient of correlation in grouped and ungrouped data. Probable error.
- b) Inter Pollution - Newton's Method.

BOOKS RECOMMENDED

- Allen R.G.D. : Basic Mathematics ; Macmillan, New Delhi.
- Dowling, E.T. : Mathematics for Economics ; Schaum Series, McGraw Hill London.
- Loomba, Paul : Linear Programming ; Tata McGraw Hill, New Delhi.
- Vohra, N.D. : Quantitative Techniques in Management ; Tata McGraw Hill New Delhi.
- Soni, R.S. : Business Mathematics ; Pitamber Publishing House.
- Kapoor, V.K. : Business Mathematics ; Sultan Chand & Sons, Delhi.
- Holden : Mathematics for Business and Economics ; Macmillan India, New Delhi.
- Ghosh and Basu : Commercial Mathematics.
- Suranjan Saha : Elementary Business Mathematics ; Kitab Mahal, Allahabad.
- Hooda, R.P. : Statistics for Business and Economics ; Macmillan, New Delhi.
- Ya-Lun Chou : Statistical Analysis with Business and Economic Applications, Holt ; Rinehart & Winster, New York.
- Lewin and Rubin : Statistics for Management ; Prentice – Hall of India, New Delhi.
- Hoel & Jessen : Basic Statistics for Business and Economics ; John Wiley and Sons, New York.
- Elhance D.N. : Fundamentals of Statistics.
- Asthana B.N. : Applied Statistics in India.
- Shrivastava S.S. : Introduction to Statistics.
- Gupta S.P. : Statistical Methods.
- Johnson, Bhattacharya (Wiley) : Statistics – Principles and Methods.

- R.K.Sawlikar, Dr.R.P.Ingole, S.B.Kishor : Basic of Computer and Statistical Techniques -Das Ganu Prakashan, Nagpur.
- Dr.Gore C.V. : Business Mathematics; Pimpalapure & Co. Publishers, Nagpur.
- Dr.Sukhadeve Varsha S. : A Text Book of Modern Approach to Statistics- Sugawa Prakashan, Pune - 30

मराठी - हिन्दी :

- सु.ना.बोधनकर : सांख्यिकी.
- लांजेवार, कद्रेकर : सांख्यिकी.
- एलहान्स : सांख्यिकी के सिद्धांत.
- नी.मा.डोंगरे : व्यापार गणित.
- शुक्ल सहाय : सांख्यिकी के सिद्धांत.
- मंगळगीरी, देशकर, देशपांडे : व्यावसायिक गणित व सांख्यिकी.
- रा.जा.गजके : व्यापार अंकगणित.
- जे.के.अग्रवाल : व्यापारिक अंकगणित.

(iii) INCOME TAX AND AUDITING**Time: 3 Hours****Marks: 70****SECTION -A****I N C O M E T A X**

- Unit-I :** Basic Concept: Income Tax, Agricultural Income, Casual Income, Assessment Year; Gross total Income, Total Income, Person, Tax Planning; Residence and Tax liability; Income which does not from part of total Income,
- Unit-II :** Income from salaries head; Income from House Property; Profits and Gains from Business and Profession; Capital Gain.
- Unit-III :** Deductions to be made from Gross Income in computing total Income; Computation of total Income of Individual, Income from other sources.
Tax Management : Assessment Procedure.
Tax Administration : Authorities, Appeals; Penalties.

SECTION -B**A U D I T I N G**

- Unit-IV :** Auditing : Meaning, Objectives and Advantages of Auditing, Types of Audit; Internal check system, Audit Programme; Audit Books, Routine checking and Vouching;

- Unit-V** : Verification and Valuation of Assets and liabilities.
Company Auditor: Appointment, Power, Duties, Liabilities;
Divisible Profits and dividend;
Audit Report : Standard and Qualified Report.
- Unit-VI** : Special Audit of Banking, Insurance Companies and Educational Institutions.
Investigation : Audit of non-profit Companies.
a) When fraud is suspected.
b) When a running Business is proposed.

Notes :- Allocation of Marks for Section A : Income Tax.

- | | | |
|----|--|-----------------|
| 1) | One long answer type Question on any one of the three Units of Section A. | Marks 15 |
| 2) | Two short answer type Question on remaining two units of Section A having two sub Questions of 5 Marks each. | Marks 20 |

Total 35

Allocation of Marks for Section B Auditing

- | | | |
|----|---|-----------------|
| 1) | One long answer type Question on any one of the three Units of Section B | Marks 15 |
| 2) | Two short answer type Question on remaining two Units of this Section having two sub Questions of 5 Marks each. | Marks 20 |

Total 35

BOOKS RECOMMENDED :

- Income Tax Law and practice : Mehrotra and Goyal.
- Income Tax Law and practice : Bhagawati Prasad.
- A Systematic Approach to Income Tax : Gupta & Ahuja.
- आयकर तत्व और व्यवहार : मेहरोत्रा और गोयल
- अंकेक्षणाची मुलतत्वे : ए.एस्. उखळकर
- अंकेक्षण : जे.सी.गांधी
- अंकेक्षण : दलाल नाथ
- अंकेक्षण : एस्.एस्.शुक्ला
- अंकेक्षण के सिध्दांत : सुरेशचंद्र सक्सेना

- Principles and Practice of Auditing: By T.R.Bottliboi.
- Auditing Principles, Practice & Problems - T.Prakash.
- Auditing : A.S.Ukhalkar- Pimpalpure & Co. Publishers, Nagpur.
- Income Tax & Auditing : Dr. Vijay Upgade, Dr. Arvind Shende- Anuradha Prakashan, Nagpur-24
- अंकेक्षण: डॉ. अरविंद शेंडे, डॉ. वसंतराव रुपनवार, डॉ. मार्टिंड खुपसे- अनुराधा प्रकाशन, नागपूर-२४

(iv) MONEY AND FINANCIAL SYSTEM

Time: 3 Hours

Marks:70

Unit-1 : MONEY.

- Meaning, Nature, Functions & Importance of Money.
- Currency Chesis- Paper currency, Method of Note issue, Types of Money.
(Commodity money, Metallic money, paper money, credit money, E-Money)
- Supply & Value of money, Fisher's Quantity theory of money.
- Inflation & Deflation- Causes, effects & measures.

Unit-II MONEY MARKET.

- Meaning, Nature, Objectives & Features.
- Indian Money Market- Structure & components.
- Indian Capital Market- Meaning, Features & Components.
- Current Trends in money & capital market, Role of SEBI in money & capital market.

Unit-III FINANCE.

- Meaning, Kind's & Importance.
- Financial system & It's role in Indian Economy.
- Monetary Policy- Meaning, Objectives & Limitations.
- Fiscal Policy- Meaning, Objectives & Role in Economy.

Unit-IV INDIAN FINANCIAL SYSTEM.

- Brief History, Structure.
- Commercial Bank, its function & credit creation.
- Financial Institutions- Meaning, Main features & Role in Financial system.
- Current Trends in Banking Services in India- (ATM, Debit

card, Credit card, Agencies services, E-Banking, Core-Banking.

- Unit-V**
- 5.1 RBI- History, Importance, Functions & Credit Control.
 - 5.2 Various Rates- Bill, Bonds, Deposit, Administrative Rate & Market determined rate, Bank Rate, Repo rate.
 - 5.3 Regulatory Authority of Money & Finance Market.
 - 5.4 Stock Exchange- Concept, Features & Role in Indian Economy.

Books Recommended-

1. Gupta S.B. : Monetary planning of India, S.Chand, New Delhi.
2. G.N.Halm : Monetary theory.
3. K.N.Garg : Money Banking
4. R.B.I. : Bulletins
5. Report of Currency & Finance.
6. Khan M.Y : Indian Financial System, Theory & Practice, Tata McGraw Hill, New Delhi.
7. पैसा आणि वित्त : डॉ.जितेंद्र अहिरराव
8. मुद्रा आणि वित्तीय पद्धत : डॉ.जी.एन.झामरे
9. भारतीय बँकींग प्रणाली : डॉ.सुधीर बोधनकर, डॉ.मेधा कानेटकर, साईनाथ प्रकाशन, नागपुर
10. मौद्रिक अर्थशास्त्र, माधव शेळके

**(V) INFORMATION TECHNOLOGY AND
BUSINESS DATA PROCESSING**

Time:3 Hours

Marks:100

(60 Marks for Theory + 40 Marks for Practical)

- Unit-I Information Technology:**
Introduction to Information Technology, **Data:** Data concept, Use of Data in Computing.
Information : Concepts of Information, Characteristics of Information, Uses of Information within the Organization and outside the Organization. **Data Processing :** concept of Data processing, Advantage of Data processing, Applications Data Processing in business, Uses of IT in business and various fields.
- Unit-II Database :** Introduction, Database Concept, Need of Database, Advantages and Disadvantages of Database, Basic Concept of Database Design, Data Warehouse and Data Mining.

Database Management System (DBMS), Components of DBMS, Architecture of DBMS, DBMS Models: Relational, Hierarchical and Network data Model.

Unit-III MS-Excel 2003/2007/Higher :

Introduction to Spreadsheets, Starting Microsoft Excel, Spreadsheet Basics: Cell and Cell Address, Cell Range, Cell Pointer, Labels and Values, formula and Functions; Excel Tool Bars, Creating, Editing and Formatting Worksheet, Changing the Layout of Cell, Rows and Columns, Creating Charts, Uses of Various Formulas and functions, Saving and Printing Worksheet.

Unit-IV Computerized Accounting & Taxation : Concept of Accounting, Concept of Computerized Accounting, Advantages of Computerized Accounting, Indian Tax Structure : TDS, VAT.

Accounting Software : Tally 9.0/Higher : Introduction, Advanced Features, Advantages, Starting with Tally, Components of Gateway of Tally, Button Bar, Status Bar, Calculator, ODBC Server.

Unit-V Working with Tally 9.0/Higher : Creating Company . Groups : Concept; Creation, Alternation & Deletion of the groups sub groups, **Ledgers :** Concept of the single & multiple ledgers; Creation, Alternation & Deletion of ledger. **Voucher:** Concepts; Types of Vouchers; Creation, Alternation & Deletion of Voucher; Voucher Entry, Purchase Order, Sale Order, Invoice.
Inventory : Stock Group Creation, Stock Item Creation, Unit of Measures Creation; Creating Godowns, **Reports :** Generation & Printing.

BOOKS RECOMMENDED :

1. Tally Manual
2. Business on the net - Agrawal (M)
3. Internet to go - Alan Simpson.
4. Financial Accounting on Computers using TALLY - Namrata Agrawala.
5. MS OFFICE (PHI)
6. MS OFFICE (BPB)
7. Implementing Tally 7.2 : A.K. Nadhani, K.K.Nadhani,BPB, Publications, B-14, Connaught Place, New Delhi-1.
8. माहिती तंत्रज्ञान आणि व्यावसायिक माहिती कार्यपद्धती - Prof. S.M.Kolte, Pimpalapur & Co.Publishers, Nagpur.

9. Information Technology & Business Data Processing : Prof.Uday Shrikrushna Kale Shree Sainath Prakashan, Nagpur.

Practical Based on Syllabus :

1. MS-Excel 2003/2007/Higher
2. Tally 9.0/Higher.

Notes: B.Com.II Practical Batch will be of 20 students.

SCHEME

Year	Paper	Total Marks		Min. Passing Marks	
		T	P	T	P
B.COM.II	Information Technology and Business Data Processing.	60	*40	21	14

***Division of Marks for Practical**

Record preparation	10 Marks
Practical	15 Marks
Discription	10 Marks
Viva	<u>05 Marks</u>
TOTAL ..	40 Marks

(Use Answer Book for practical provided by the University)

**SYLLABUS FOR
ENVIRONMENTAL STUDIES
AT BACHELOR DEGREE LEVEL**

Total Marks : 100

PART-A

SHORT ANSWER PATTERN

25 Marks

1. The Multidisciplinary nature of environmental studies

- . Definition, scope and importance.
- . Need for public awareness. (2 lecture hours)

2. Social Issues and the Environment

- . From Unsustainable to Sustainable development
- . Urban problems related to energy
- . Water conservation, rain water harvesting, watershed management
- . Resettlement and rehabilitation of people; its problems and concerns.

Case studies.

- . Environmental ethics : Issues and possible solutions.
- . Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
- . Wasteland reclamation.
- . Consumerism and waste products.
- . Environment Protection Act.
- . Air (Prevention and Control of Pollution) Act.
- . Water (Prevention and Control of Pollution) Act.
- . Wildlife Protection Act.
- . Forest Conservation Act.
- . Issues involved in enforcement of environmental legislation.
- . Public awareness. (7 lecture hours)

3. Human Population and the Environment

- . Population growth, variation among nations.
- . Population explosion - Family Welfare Programme.
- . Environment and human health.
- . Human Rights.
- . Value Education.
- . HIV / AIDS.
- . Women and Child Welfare.
- . Role of Information Technology in Environment and human health.
- . Case Studies. (6 lecture hours)

PART-B

ESSAY TYPE WITH INBUILT CHOICE 50 Marks

4. Natural resources :

Renewable and non-renewable resources :

- . Natural resources and associated problems.
 - Forest resources : Use and over exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
 - Water resources : Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
 - Mineral resources : Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
 - Food resources : World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer - pesticide problems, water logging, salinity, case studies.
 - Energy resources : Growing energy needs, renewable and

non renewable energy sources, use of alternate energy sources, Case studies.

- Land resources : Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
- . Role of an individual in conservation of natural resources.
- . Equitable use of resources for sustainable lifestyles. (8 lecture hours)

5. Ecosystems

- . Concept of an ecosystem.
- . Structure and function of an ecosystem.
- . Producers, consumers and decomposers.
- . Energy flow in the ecosystem.
- . Ecological succession.
- . Food chains, food webs and ecological pyramids.
- . Introduction, types, characteristic features, structure and function of the following ecosystem :-
 - Forest ecosystem
 - Grassland ecosystem
 - Desert ecosystem
 - Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) (6 lecture hours)

6. Biodiversity and its conservation

- . Introduction - Definition : genetic, species and ecosystem diversity.
- . Biogeographical classification of India.
- . Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values.
- . Biodiversity at global, National and local levels.
- . India as a mega-diversity nation.
- . Hot-spots of biodiversity.
- . Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlife conflicts.
- . Endangered and endemic species of India.
- . Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity. (8 lecture hours)

7. Environmental Pollution

- . Definition
 - . Causes, effects and control measures of :-
 - Air pollution
 - Water pollution
 - Soil pollution
 - Marine pollution
 - Noise pollution
 - Thermal pollution

- Nuclear hazards
- . Solid Waste Management : Causes, effects and control measures of
- . Role of an individual in prevention of pollution.
- . Pollution case studies.
- . Disaster management : floods, earthquake, cyclone and landslides. (8 lecture hours)

PART-C ESSAY ON FIELD WORK

25 Marks

8. Field work

- . Visit to a local area to document environmental assets - river / forest / grass land / hill / mountain
- . Visit to a local polluted site - Urban / Rural / Industrial / Agricultural
- . Study of common plants, insects, birds.
- . Study of simple ecosystems - pond, river, hill slopes, etc. (5 lecture hours)

- (Notes :**
- i) Contents of the syllabys mentioned under paras 1 to 8 shall be for teaching for the examination based on Annual Pattern.
 - ii) Contents of the syllabys mentioned under paras 1 to 4 shall be for teaching to the Semester commencing first, and
 - iii) Contents of the syllabys mentioned under paras 5 to 8 shall be for teaching to the Semester commencing later.

LIST OF REFERENCES :-

- 1) Agarwal, K.C., 2001, Environmental Biology, Nidi Publ. Ltd., Bikaner.
- 2) Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad - 380 013, India, Email : mapin@icenet.net **(R)**
- 3) Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p.
- 4) Clark R.S., Marine Pollution, Clanderson Press Oxford **(TB)**
- 5) Cunningham, W.P.Cooper, T.H.Gorhani, E & Hepworth, M.T., 2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p.
- 6) De A.K., Environmental Chemistry, Wiley Eastern Ltd.
- 7) Down to Earth, Centre for Science and Environment **(R)**

- 8) Gleick, H.P. 1993, Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press. 473p.
- 9) Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Mumbai **(R)**
- 10) Heywood, V.H. & Watson, R.T. 1995, Global Biodiversity Assessment, Cambridge Univ. Press 1140p
- 11) Jadhav, H & Bhosale, V.M. 1995, Environmental Protection and Laws, Himalaya Pub. House, Delhi. 284 p.
- 12) McKinney, M.L. & Schoch, R.M. 1996, Environmental Science Systems & Solutions, Web Enhanced Edition. 639 p.
- 13) Mhaskar A.K., Matter Hazardous, Techno-Science Publications **(TB)**
- 14) Miller T.G. Jr., Environmental Science, Wadsworth Publishing Co. **(TB)**
- 15) Odum, E.P., 1971, Fundamentals of Ecology, W.B.Saunders Co., U.S.A., 574p.
- 16) Rao M.N. & Datta A.K., 1987, Waste Water Treatment, Oxford & IBH Publ. Co. Pvt. Ltd. 345 p.
- 17) Sharma B.K., 2001, Environmental Chemistry, Goel Publ. House, Meerut.
- 18) Survey of the Environment, The Hindu **(M)**
- 19) Townsend C., Harper J., and Michael Begon, Essentials of Ecology, Blackwell Science **(TB)**
- 20) Trivedi R.K., Handbook of Environmental Laws, Rules, Guidelines, Compliances and Standards, Vol. I and II, Enviro Media **(R)**
- 21) Trivedi R.K. and P.K. Goel, Introduction to Air Pollution, Techno-Science Publications **(TB)**
- 22) Wagner K.D., 1998, Environmental Management, W.B.Saunders Co., Philadelphia, USA 499p.
- 23) Dr.Deshpande A.P., Dr. Chudiwale A.D., Dr.Joshi P.P. & Dr. Lad A.B.: Environmental Studies -Pimpalapur & Co. Publishers, Nagpur.
- 24) डॉ.विठ्ठल घारपुरे : पर्यावरणशास्त्र - पिंपळपुरे अँड कंपनी पब्लिशर्स, नागपूर.
- 25) Environmental Studies : R. Rajagopalan, Oxford University Press, New Delhi- 2005
- 26) Dr.N.W.Ingole, D.M.Dharmadhikari, Dr.S.S.Patil : Environmental Chemistry and pollution control- Das Ganu Prakashan, Nagpur.

(M) Magazine

(R) Reference

(TB) Textbook
