Shiksha Mandal, Wardha's

G. S. COLLEGE OF COMMERCE & ECONOMICS

Amravati Road, Civil Lines, Nagpur-440 001

A Hindi Linguistic Minority College

ACCREDITED WITH 'A'-GRADE BY NAAC

An Autonomous College

(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

- 1. Conferment of Fresh Autonomous Status vide UGC letter No. F. 22-1/2017 dt. 28-12-2017
- 2. Notified as Fresh Autonomous College by RTM Nagpur University vide letter No. RTMNU / CDS/2018/325 dt. 3-4-2018

ACADEMIC REGULATIONS

GOVERNING THE EXAMINATION LEADING TO DEGREE OF B. COM. (C.A.)

[BACHELOR OF COMMERCE (COMPUTER APPLICATION)]

(AUTONOMOUS)

(REVISED W.E.F. 2020-21)

PROGRAMME CODE: GSN-UG-02-BCCA

Issued by: Principal, G. S. College of Commerce & Economics, Nagpur

Shiksha Mandal, Wardha's

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR

(Autonomous)

(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

GOVERNING BODY

(As per UGC Guidelines for Autonomous Colleges, 2018)

Sr. No.	Name	Designation	Category	
1.	Shri. Rahul Bajaj	President/Trustee	Management	
2	Shri. Shekhar Bajaj	Trustee	Management	
3.	Shri. Sanjay Bhargava	Chairperson/Trustee	Management	
4.	Shri. P. D. Khemuka	Member	Management	
5.	Shri. Jaydeep Shah	Member	Management	
6.	Dr. P. N. Mishra	Member	UGC Nominee	
7.	Dr. Vinayak Deshpande	Member	University Nominee	
8	Joint Director, HE, Nagpur	Member	State Government Nominee	
9.	Dr. Apoorva Palkar	Member	Educationist/Industrialist	
10	Mrs. S. S. Kathaley	Member	Teacher	
11.	Dr. P. M. Paradkar	Member	Teacher	
12.	Dr. N.Y.Khandait	Member	Principal	
		(ex-officio)		

ACADEMIC COUNCIL

(As per UGC Guidelines for Autonomous Colleges, 2018)

Sr. No.	Name	Designation	Category
1.	Dr. N.Y.Khandait	Chairperson	Principal F
2.	Dr. R.H. Nagarkar	Member	HOD (Commerce)
3.	Dr. A.B. Patle	Member	HOD (Accountancy & Statistics)
4	Dr. Mrs. S.D Morey	Member	HOD (Economics)
4.	Dr Ms Ashwini Purohit	Member	HOD
		नागात ह	(Business Administration and Management)
5.	Prof. P.J. Yadao	Member	HOD (Information Technology)
6.	Prof. Mrs. S.S. Kathaley	Member ——	HOD (Languages)
7.	Prof. Ms. M.V. Purohit	Member	Faculty (Commerce)
8.	Prof. Sushma Gawande	Member	Faculty (Information Technology)
9.	Dr. Mrs. D.V. Chavan	Member	Faculty (Languages)
10.	Dr. Ms.Archana Dadhe	Member	Faculty (Management)
11.	Shri. Hemant Singhal	Member	Expert (Industry)
12.	Shri. Ranjit Dani	Member	Expert (Commerce)
13.	Shri. Ashutosh Dharmadhikari	Member	Expert (Law)
14.	Dr. A. G. Pawade	Member	Expert (Education)
15.	Dr. Anant Deshmukh	Member	University Nominee
16.	Dr. K. C. Deshmukh	Member	University Nominee
17.	Dr. Pramod Sharma	Member	University Nominee
18.	Dr. V.N. Thangan	Member/	Faculty Member nominated by Principal
		Secretary	

BOARDS OF STUDIES

(As per UGC Guidelines for Autonomous Colleges, 2018)

	COMMERCE		ACCOUNTANCY & STATISTICS				
Sr. No.	Name	Designation	Sr. No.	Name	Designation		
1	Dr. R. H. Nagarkar	Chairman	1	Dr. A. B.Patle	Chairman		
2.	Dr. Y. H. Kedar	Faculty	2.	Dr. B. M. Chachane	Faculty		
3.	Dr. Mrs. R. T. Sahu	Faculty	3.	Prof. Ms. M. V. Purohit	Faculty		
4.	Prof. Ms. N.Z. Hirani	Faculty	4.		Faculty		
5.	Prof. A. S. Jain	•	5.	Dr. V. N. Thangan Dr. M. R. Pande	•		
		Faculty			Faculty		
6.	Prof. Ms. P.S. Shrivastava	Faculty	6.	Dr. Dinesh Nichit	Subject Expert		
				Dean, Faculty of	(Other University)		
	D II., IX DI I.	0.11 (E.)	7	Commerce, SGAU, Amaravati	0.11 . F		
7.	Dr. Vijay Kumar Bhangadiya	Subject Expert	7.	Dr. Jayant Kale	Subject Expert		
0	Principal, SKLC, Amaravati	(Other University)	0	SLRK Toshnival College, Akola	(Other University)		
8.	Dr. Prakash Tayade	Subject Expert	8.	Dr.Dilip Gotmare, Principal,	Expert nominated		
	Shivaji Arts	(Other University)		PD College, Nagpur	by VC		
	& Commerce College, Amaravati	.			P (7.1)		
9.	Dr. S. R. Jichkar	Expert	9.	Shri. CA Julfesh Shah	Expert (Industry)		
10	DNC, Nagpur	nominated by VC	-10	Chartered Accountant,	2011		
10.	Shri. Devesh Pendharkar	Expert (Industry)	10	Dr. CA Tejinder Singh Rawal	PG Alumnus		
	Director, Vicco Labs, Nagpur		And have	Chartered Accountant			
11	Shri.Raunak Shah	PG Alumnus	TOPE				
DI	CINECC ADMINICED ACTION C.	CANA CENTRALE	7	Prighted Economi	og.		
Sr. No.	SINESS ADMINISTRATION & N		C M	Name BUSINESS ECONOMIC			
		Designation	Sr. No.		Designation		
1.	Dr. Mrs. A. A. Purohit	Chairman	do	Dr. S. D. Morey	Chairman		
2.	Dr. Ms. A. Dadhe	Faculty	2.	Prof. Ms. R. J. Arora	Faculty		
3.	Dr Geeta Naidu	Faculty	3.	Dr. Ms. V.D. Nagdive	Faculty		
4.	Dr. Anirudha Akarte	Faculty	4.	Dr Afsar Sheikh	Faculty		
5.	Prof. KamleshThote	Faculty	5.	Dr. Mrs. S.S. Gadekar	Faculty		
6.	Dr. Santosh Sadar	Subject Expert	6.	Dr. Anil Raut	Subject Expert		
	DBM, SGAU Amaravati	(Other University)	गपुर	Shivaji Arts & Commerce College, Akola	(Other University)		
7.	Dr. Pravin Deshmukh	Subject Expert	7.	Dr. Prafulla Gudadhe	Subject Expert		
	RD Deshmukh College, Badnera	(Other University)		Amolakchand College, Yeotmal	(Other University)		
8.	Dr. Anant Deshmukh	Expert	8.	Dr. Aparna Samudra	Expert		
	DBM, RTM, Nagpur University	nominated by VC		PGTD (Economics)	nominated by VC		
	-	•		RTM Nagpur University	-		
9.	Shri. Shrikant Rikhe	Expert (Industry)	9.	Shri. Manish Bansal	Expert (Industry)		
	Sunil HiTech Ltd. Nagpur			Nagpur Carbon (P)Ltd.			
10.	Ms. Vijaya Motwani	PG Alumnus	10.	Ms. Mahima Bhatnagar	PG Alumnus		
	LANGUAGES			INFORMATION TECHNO	LOGY		
Sr. No.	Name	Designation	Sr. No.	Name	Designation		
1.	Prof. Mrs. S. S. Kathaley	Chairman	1.	Prof. Pravin. J. Yadao	Chairman		
2.	Dr. Mrs D. V. Chavan	Faculty	2.	Prof. Rahul Tiwari	Faculty		
3.	Dr. Ms. P.S. Murarkar	Faculty	3.	Prof. Mrs. Sushma Gawande	Faculty		
4.	Dr. Mrs N. H. Kalyani	Faculty	4.	Prof. Ms. Priti Rangari	Faculty		
			5.	Prof. Ms. Prajakta Deshpande	Faculty		
			6.	Prof. Haresh Naringe	Faculty		
5.	Dr. V. R. Vishwarupe	Subject Expert	7.	Dr. S. B. Kishore	Subject Expert		
	Amolakchand College, Yeotmal	(Other University)		HOD, IT, SP College,	(Other University)		
			<u> </u>	Chandrapur			
6.	Dr. T. D. Rai	Subject Expert	8.	Dr. K. D. Kalaskar	Subject Expert		
	SKLC, Amaravati	(Other University)		HOD, IT, Dr Ambedkar College,	(Other University)		
			ļ	Chandrapur			
7.	Dr. Sandhya Nair	Expert	9.	Dr. U.A. Lanjewar	Expert		
	Principal, RS Mundle	nominated by VC		VMV College, Nagpur	nominated by VC		
	Dharampeth College,Nagpur						

Shiksha Mandal, Wardha's

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR

(Autonomous)

(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

ACADEMIC REGULATIONS

GOVERNING THE EXAMINATION LEADING TO DEGREE OF BACHELOR OF COMMERCE (COMPUTER APPLICATION)

[B.COM. (C.A.)]

[Revised from 2020-21]

WHEREAS, Maharashtra University Act: 1994 came into force with effect from July 22, 1994, and the Maharashtra Public Universities Act: 2016 came into force from March 1, 2017;

AND

WHEREAS, the Sub-Section (1) of Section 89 of the aforesaid Maharashtra University Act: 1994 provided for and the Sub-Section (1) of Section 122 of the Maharashtra Public Universities Act: 2016 provides that a University Department or Institution, Affiliated College or Recognized Institution may apply to the University for grant of autonomous status. The Management Council on the recommendation of the Academic Council may confer the autonomous status;

AND

WHEREAS, the University Grants Commission (UGC), under its XII Plan has issued guidelines for conferring autonomous status to the colleges in the country subject to their fulfilling various eligibility conditions for improving quality of higher education and to initiate academic reforms;

AND

WHEREAS, the Rashtrasant Tukadoji Maharaj Nagpur University had earlier issued Direction No. 4 of 1999 regarding conferment of autonomous status for College/University Department/University Institution which stood repealed by Direction No. 3 of 2016 regarding NORMS AND PROCEDURES FOR GRANT OF AUTONOMY TO UNIVERSITY DEPARTMENTS OR INSTITUTIONS, AFFILIATED COLLEGES AND RECOGNISED INSTITUTIONS:

AND

WHEREAS, G.S. College of Commerce & Economics, Nagpur, permanently affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University applied to the University for NOC and forwarding their application for Autonomy to the University Grants Commission (UGC);

AND

WHEREAS, the University Grants Commission constituted an Expert Committee to visit G. S. College of Commerce & Economics, Nagpur for conferment of fresh autonomous status;

AND

WHEREAS, the University Grants Commission, on the basis of the report of its Expert Committee and on the recommendation of its Standing Committee, has conferred upon G. S. College of Commerce & Economics, Nagpur a fresh autonomous status vide its letter. F. 22-1/2017 dt. 28-12-2017;

AND

WHEREAS, the Rashtrasant Tukadoji Maharaj Nagpur University has notified G. S. College of Commerce & Economics, Nagpur as a "FRESH AUTONOMOUS COLLEGE" vide its letter No. RTMNU / CDS/2018/325 dt. 3-4-2018 w.e.f. 2018-19;

AND

WHEREAS, G. S. College of Commerce & Economics, Nagpur duly constituted its Governing Body, Academic Council, Boards of Studies and other statutory committees as stipulated in the University Grants Commission (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2018;

AND

WHEREAS, the Boards of Studies of G. S. College of Commerce & Economics, Nagpur redesigned its existing courses to be conducted under Autonomy as per the pattern prescribed by the University Grants Commission in its various Guidelines from time to time;

AND

WHEREAS, the Boards of Studies of G. S. College of Commerce & Economics, Nagpur adopted the CHOICE BASED CREDIT SYSTEM (CBCS), and while designing the syllabus of B.Com. (Computer Application), also drafted the academic regulations, instructional and evaluation arrangements, methods and procedures for the above course in its meeting dt. 23-5-2018;

AND

WHEREAS, the Academic Council of G. S. College of Commerce & Economics, Nagpur in its meeting dt. 23-5-2018 approved the academic regulations, instructional and evaluation arrangements, methods and procedures for the course of B.Com. (Computer Application) as proposed by the Boards of Studies of G. S. College of Commerce & Economics, Nagpur;

AND

WHEREAS, the Governing Body of G. S. College of Commerce & Economics, Nagpur in its meeting dt. 23-5-2018 approved the academic regulations, instructional and evaluation arrangements, methods and procedures for the course of B.Com. (Computer Application) as proposed by the Boards of Studies and as approved by the Academic Council of G. S. College of Commerce & Economics, Nagpur;

AND

WHEREAS, the complete syllabus of B.Com.(Computer Application) and all the academic regulations, instructional and evaluation arrangements, methods and procedures for the course of B.Com. (Computer Application) as proposed by the Boards of Studies and as approved by the Academic Council and the Governing Body of G. S. College of Commerce & Economics, Nagpur, have been accepted by the Rashtrasant Tukadoji Maharaj Nagpur University;

AND

WHEREAS, the programme of B.Com. (Computer Application) under Autonomy Scheme was offered to all First Semester students of B.Com. (Computer Application) from the session 2018-19 as per the said academic regulations;

AND

WHEREAS, the original Academic Regulations of the programme of B.Com. (Computer Application) of 2018 were required to be subsequently revised to incorporate Grievance Redressal Mechanism, Programme and Course Codes, changes and modification in syllabi, internal assessment mechanism, moderation and revaluation of answer books etc. as approved by the Boards of Studies, Academic Council and the Governing Body from time to time, and also were required to be appended by the Programme and Course Outcomes as prescribed by the UGC circular No. F.No. 1-4/2018 (LOCF/QIP) dt.28-8-2019 and as prepared and approved by the Boards of Studies and also approved by the Academic Council in its meeting dt.21-8-2020.

AND

WHEREAS, the revised Academic Regulations of the programme of B.Com. (Computer Application) were subsequently approved by the Governing Body in its meeting dt.28-8-2020.

NOW

THEREFORE, I, Principal of G. S. College of Commerce & Economics, Nagpur, on behalf of the Governing Body of G. S. College of Commerce & Economics, Nagpur, hereby release the following Academic Regulations. These Academic Regulations shall be called "ACADEMIC REGULATIONS GOVERNING THE EXAMINATION LEADING TO DEGREE OF BACHELOR OF COMMERCE [COMPUTER APPLICATION] (REVISED)" under the Faculty of Commerce and Management of Rashtrasant Tukadoji Maharaj Nagpur University.

These Academic Regulations shall come into force with immediate effect and shall apply to all students to be admitted to the First Semester of B.Com. (Computer Application) from the session 2020-21.

Dr. N. Y. Khandait Principal

Shiksha Mandal, Wardha's

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR (Autonomous)

(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

ACADEMIC REGULATIONS

GOVERNING THE EXAMINATION LEADING TO DEGREE OF BACHELOR OF COMMERCE (COMPUTER APPLICATION)

[B.COM. (C.A.)]

[Revised from 2020-21]

- 1. TITLE OF THE PROGRAMME: BACHELOR OF COMMERCE (COMPUTER APPLICATION) [B.COM. (C.A.)]
- 2. PROGRAMME CODE: GSN-UG-02-BCCA
- 3. DURATION OF THE PROGRAMME: A THREE YEAR/ SIX SEMESTER FULL TIME UNDER GRADUATE DEGREE
- 4. PATTERN OF THE PROGRAMME: CHOICE BASED CREDIT SYSTEM (CBCS)
- 5. MEDIUM: ENGLISH
- 6. TIME SCHEDULE
 - The programme of B.Com. (C.A.) shall be conducted in THREE Academic Years.
 - Each academic year is divided into TWO TERMS.
 - Term I shall have odd Semesters I, III & V, whereas Term II shall have even Semesters II, IV & VI.
 - In each semester, courses are offered in 16-18 teaching weeks (minimum of 90 teaching days).
 - 4-6 weeks are to be utilized for conduct of examinations and evaluation purposes.
 - Each week shall have 40 working hours spread over 6 days a week, consisting of lectures, tutorials, practicals, assignments, seminars, project work, library work, co-curricular activities, field visits, counseling/guiding sessions, value addition courses, extra-curricular activities including Sports, NSS, NCC, Adult & Continuing Education and Extension activities etc.
 - The detailed Academic Calendar will be published in the College Prospectus every year.

7. ELIGIBILITY TO THE PROGRAMME

Subject to compliance with the provisions of the Government/ UGC / RTM University directions and
of other ordinances in force from time to time, an applicant for admission to this programme shall
have passed the XII Standard Examination of the Maharashtra State Board of Secondary and Higher
Secondary Education, with English at Higher or Lower level and any Modern Indian Language at
higher or lower level with any combination of optional subjects;

• XII Standard Examination of Maharashtra State Board of Secondary and Higher Secondary Education in Vocational Stream with one language only;

OR

• HSC (Vocational)/Minimum Competency Vocational Courses (MCVC);

OR

 Any other examination recognized as equivalent thereto in such subjects and with such standards of attainments as may be prescribed;

OR

- Any other Equivalent Examination of any State in (10+2) pattern with English & any combination of subjects.
- Any student pursuing the regular programme of study leading to the Bachelor's Degree in Commerce (Computer Application) shall not be permitted to join any other programme in RTM Nagpur University or any other University simultaneously.
- No person shall be admitted to this programme, if he has already passed the same programme or a
 programme of any other statutory University which has been recognized as equivalent to this
 programme.
- The other eligibility conditions shall be as prescribed by the college from time to time through the related Directions/Rules.

8. ADMISSIONS

- All admissions to this course will be strictly on merit basis as per the policies and procedures laid down by the college/UGC/University from time to time.
- Being a Linguistic Minority Institution the college reserves 50% seats (for grant-in-aid programmes) and 51% seats (for no-grant programmes) for those students who belong to the Hindi speaking communities as listed in the Eighth Schedule for Languages in the Constitution of India subject to the condition that these students are domiciled in Maharashtra State. The students will also have to submit an affidavit to this effect on a Rs. 100/- stamp paper at the time of admission.
- B.Com. (Computer Application) programme is conducted on the no-grant basis and as such 51% seats are reserved for Hindi speaking communities domiciled in Maharashtra State.
- The rest of the seats will be filled from among the other candidates belonging to Open/SC/ST/VJNT/ OBC-SBC/PWD etc. categories as per the reservation rules stipulated by the Government and as applicable to the Minority Institutions strictly on merit basis.
- Rules regarding admission procedure/policy etc. shall be notified by the college from time to time through Directions, if necessary.

9. ATTENDANCE CRITERIA

- It is mandatory for all students to have minimum 75% attendance in order to be eligible to appear in a Semester End Examination. Students with below 75% attendance in any given semester shall not be allowed to fill the examination form or appear in the examination.
- Principal may condone the attendance up to maximum 10% to meet the minimum attendance criterion of 75% only in exceptional cases viz. medical emergencies, deputation of students by college in official programs/activities like NCC/NSS camps, University level Sports or Extra-curricular activities or any other University/College sponsored activities where he is convinced that meeting the minimum attendance mark was beyond the control of the student and subject to the condition that the student will make up for attendance in subsequent semester. However, such students will not be eligible for any marks for attendance.

- The facility of relaxation of attendance up to 65% as above shall be available to students on only THREE occasions i.e. for any three semesters during the entire course of the programme.
- Rules regarding attendance shall be notified by the college from time to time through Directions, if necessary.

10. FEES FOR THE PROGRAMME

- The Tuition Fees and other fees for the programme of B.Com. (Computer Application) shall be as prescribed by the college and Rashtrasant Tukadoji Maharaj Nagpur University from time to time.
- The Examination Fees shall be as prescribed by the college/the Rashtrasant Tukadoji Maharaj Nagpur University from time to time.

• STRUCTURE OF THE PROGRAMME/COURSES

The syllabus of B.Com. (Computer Application) is designed by the college's Boards of Studies and approved by the college's Academic Council as per the UGC Guidelines on CBCS (Choice Based Credit System).

- CBCS provides to students a cafeteria approach where students can take courses of their own choice, learn at their own pace, undergo additional courses and acquire more than required credits, and adopt an interdisciplinary approach to learning. Students thus get to study the courses which are both mandatory and optional as following:
- Students thus get to study the courses which are both mandatory and optional as following:
 - A. Core Courses (Compulsory)
 - B. Skill/Foundation Courses (Compulsory/Elective)
 - C. Discipline Specific Electives
 - D. Generic Electives
 - E. Open Electives (Inter-disciplinary)
- The college will offer Electives only if minimum 20 students opt for the same.
- In addition to the above, students can also earn extra credits through Value-addition Courses and UGC's 'Swayam' /Massive Online Open Courses (MOOC).
- The details of the Programme Outcomes/Course Outcomes, Courses and Course/Subject-wise allocation of teaching hours are given in **Appendix-I**, **II**, & **III** respectively.

11. PROJECT

Students will have to compulsorily submit a Project on an IT (Information Technology) related theme in the final semester, i.e. VIth semester.

- a. Project Work may be done individually or in groups (Maximum 2 students in a group).
- b. Project Work should be done using the tools covered in B.Com. (Computer Application) only.
- c. Project should be of such a nature that it could prove useful or be relevant from the commercial/management angle.
- d. Project will carry 100 marks.
- e. Project Work should be carried out in the college only as per the topics finalized by the Department/college.
- f. Students can also carry out projects outside the college in industry/research and development laboratories/IT companies etc. with prior permission of the Department/College and only after getting their synopses approved by the Department/College.
- g. The Project proposal should be prepared in consultation with the guide. The Project proposal should clearly state the objectives and environment of the proposed project to be undertaken. It should have full details as indicated in APPENDIX-V.

- h. Students are expected to carry out Project Work on the topics which have some direct relevance to their academic activities and the syllabus. The Application Areas of project are Inventory/ Finance/ Marketing/ Database Management System (DBMS) / Relational Database Management System (RDBMS)/ E-Commerce/ Internet/ Manufacturing / Web Designing / Scientific/ ERP etc.
- i. Final Project should be submitted to Department/College as per the format given in APPENDIX-VI.
- j. Viva-voce for Project Work shall be conducted by a panel of examiners consisting both Internal and External examiners.
- k. Viva-voce would be conducted as per the schedule announced by the College.

12. PATTERN OF ASSESSMENT / EXAMINATIONS

- Each Subject/Paper shall be that of 100 Marks.
- There will be an Internal Assessment of 20 Marks as detailed in Point No. 13 below.
- There will be an External Assessment of 80 marks through Semester End Examination.
- For consideration of passing marks for all subjects, the criterion would be minimum 40% marks (combined total of both Internal and Semester End marks) for each subject.
- In addition to academics, students shall also be assessed for their participation and performance in co-& extra-curricular activities as well as their performance in Value-addition courses and given separate credits and will be considered for overall CGPA and grading as illustrated in point 26 later.

13. INTERNAL ASSESSMENT

Internal Assessment for all subjects shall be done as per the following scheme:

Sr.No	Details	Marks	Marking Scheme	Remarks
1.	2 Unit Tests of 20 marks each	2*3=6	16-20: 03 12-15: 02 08-11: 01 < 08:Nil	Students will be given opportunity to appear for tests in a special schedule only in case of medical exigencies or if they have been detained by the college for any of its official programmes like NSS, NCC, Sports, ECA participation etc. on production of stipulated documents
2.	2 Home assignments of 20 marks each	2*3=6	16-20: 03 12-15: 02 08-11: 01 < 08:NIL	Students will submit 2 Home assignments on the topics/themes as prescribed by the subject teacher as per the schedule given by the college/department.
3.	Performance in Prelims (Out of 80)	04	70-80:04 60-69:03 50-59:02 40-49:01 <40: NIL	All students will mandatorily appear in the Preliminary/Test Examination before the Semester End Examination.
4.	Attendance	04	>90%: 4; <90-85%: 3; < 85-80%: 2; < 80-75%: 1; <75%: Nil.	Principal to condone attendance up to maximum 10% to meet the minimum attendance criterion of 75% only in exceptional cases where he is convinced that meeting the minimum attendance mark was beyond the control of the student and subject to the condition that the student will make up for attendance in subsequent semester. However, such students will not be eligible for any marks for attendance. Students, with more than 75% attendance but losing some days because of participation in official programmes like NSS, NCC, Sports, ECA etc. will be given proportionate marks.
	Total	20		

N.B. For subjects with Practical Component IA of 10 marks will be done on the basis of 2 unit tests (06 marks) and Attendance (04 marks). Performance in Home Assignments and Prelims will not be considered for IA for subjects with practical component.

14. EXTERNAL/SEMESTER END ASSESSMENT

- There will be a Semester End Examination at the end of each of all SIX semesters.
- The Semester End Examination will be conducted by the college.
- The examination shall be held at the college premises on such dates as will be notified by the college.

15. PATTERN OF SEMESTER END EXAMINATION

- Each paper of Semester End Examination for all semesters will be that of 80 marks each.
- The questions would be divided into Long Answer Questions (LAQ's), Short Answer Questions (SAQ's) and Very Short Answer Questions (VSAQ's).
- All questions shall be compulsory with internal choices within the questions.
- The duration of Semester End examination shall be of 3 hours
- The duration of IT/Computer Papers having Practical will be of 2 hours.
- The Pattern of Question Paper shall be as provided in the APPENDIX-IV.

16. PRACTICAL/PROJECT EXAMINATIONS

- Practical Examination shall be of 3 hours duration (Written, Execution & Viva-voce).
- The Practical Record of every student shall carry a certificate duly signed by the teacher-in-charge and the Head of the Department.
- If the student fails to submit his / her certified Practical Record he / she shall not be allowed to appear for the Practical Examination and no Marks shall be allotted to the student.

17. CLASSIFICATION OF PROJECT MARKS

Project work will be evaluated as per the following classification of marks:

Particulars	Marks
Reports and Documentation	50
Viva- Voce by External Expert	30
Viva- Voce by Internal Expert	20
TOTAL	100

18. SCHEME FOR EVALUATION

- The answer books of all Semester End examinations will be assessed by a panel of examiners constituted by the college. The panel will comprise both internal and external faculty.
- The moderation of answer books [all distinction grade (>75%), all first division answer-books missing distinction with 5% margin (< 75%-70%), all second division answer-books missing first division with 5% margin (< 60%-55%), and those failed with 5% margin (<40%-35%)] will be done by a panel of external examiners only.
- Only in the event of there being a variation of 5% or more marks between the marks given by the examiner and the moderator, the marks originally given by the examiner shall be changed and the marks given by the moderator, whether increased or decreased, shall be final.

19. GRACE MARKS

• Students will be entitled to Grace Marks to the tune of maximum 10 marks for entire duration of the B.Com. (C.A.) programme in case he fails in any subject or maximum 3 subjects by a margin of up to 5 marks even after moderation/revaluation and he shall be promoted/declared pass with grace. This facility will be available to students only 3 times during the entire course of their studies for maximum 3 subjects during the entire duration of the course.

- If a student gets grace marks for 3 subjects in any semester he shall not be eligible for this facility in other semesters. However, if he gets grace marks for ONE subject in a semester, he can avail the facility for TWO subjects in other semester/s provided he does not exceed the limit of 10 marks.
- The examinee passing with grace marks as above shall not be eligible to be placed in the merit list and also shall not be eligible for any medals, prizes or any other awards pertaining to that examination.
- The examinee shall be eligible for maximum 3 grace marks if his score in a paper/subject falls short by not more than 3 marks for getting distinction in a paper/subject even after moderation or revaluation provided he has not availed the benefit of grace marks earlier for either passing any subject. Such grace marks can be awarded in maximum TWO papers/subjects during the entire course of studies.
- However, such grace marks shall not be considered for the purpose of ranking or awards. Ranking or awards shall be finalized only on the basis of actual marks (i.e. without grace marks).

20. CREDIT SYSTEM OF EVALUATION

- The B. Com. (Computer Application) programme will consist of 36 courses/papers.
- Each Compulsory/Core/Discipline-Specific/Generic Elective/Skill/Foundation Subject/Paper will have 4 credit points.
- Each Credit is equivalent to ONE teaching hour.
- In all thus there shall be 144 credits.
- There will be additional 4 credits for student's participation and performance in Value-addition courses (2 credits) as well as his participation and performance in co- & extra-curricular activities (2 credits). These additional credits shall be added in Mark Sheet of the Sixth Semester.
- Students can also earn additional 4 credits by successfully completing UGC's on-line 'Swayam'/MOOC Course.
- The final grade would be inclusive of these additional credits of Value-addition courses (VAC), co- & extra-curricular activities (ECA) and the 'Swayam'/MOOC Course.

21. CREDITS AND GRADES

- In the Credit and Grade Point System, assessment of individual subjects in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grades by a mechanism wherein the overall performance of learners can be reflected after considering the Credit Points for any given course and the overall evaluation shall be designated in terms of a Grade.
- **CREDIT**: Each Course/subject/paper has been given separate credits. A credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical /field work per week.
 - Each semester, thus, has a definite number of credits depending on the number of courses/subjects/papers and the credits given to them.
- **GRADE POINT:** Grade Point is a numerical weight allotted to each Letter Grade on a 10 point scale as adopted by the college as under:

Sr. No.	Marks	Description	Grade Letter	Grade Points
1	85 & above	Outstanding	0	10
2	75-84	Excellent	A+	09
3	60-74	Very Good	A	08
4	55-59	Good	B+	07
5	50-54	Above Average	В	06
6	45-49	Average	С	05
7	40-44	Pass	P	04
8	00-39	Fail	F	0
9		Absent	Ab	0

• **CREDIT POINT**: Credit Point is the product of Grade Point and number of Credits for a course.

22. CALCULATION OF SGPA

SGPA (Semester Grade Point Average): The performance of a student in each course/subject/paper in each semester is measured through SGPA which is a ratio of total credit points secured by a student in various courses in the semester and total course credits taken during the semester.

SGPA shall be calculated for each semester as per the formula of SGPA (Si): $\sum (\text{Ci} \times \text{Gi}) / \sum \text{Ci}$ [Ci= no. of credits for the i th course and Gi is the grade point scored by student in the i th course.]

Illustration of SGPA

	~				
Course/Subject	Credit	Marks	Grade Letter	Grade Point	Credit Point
1	4	87	0	10	4*10=40
2	4	4 78 A+		9	4*9=36
3	4	68	A	8	4*8=32
4	4	57	B+	7	4*7=28
5	4	54	В	6	4*6=24
6	4	47	С	5	4*5=20
	24				180
SGPA			180/24 =	= 7.5	

23. ADDITIONAL CREDITS

In addition to the regular courses and credits thereof, the college also offers to its students under CBCS pattern an opportunity to earn extra credits and an improved grade through Value-addition Courses (VAC) and Extra-curricular Activity (ECA). VAC and ECA have been given 2 credits (50 marks) each i.e. together they have 4 credits (100 marks).

E.g.: Suppose a student scores 25 marks in ECA and 40 marks in VAC, his total would be 65 marks. His Grade letter would be A with 8 grade points.

Thus, his Credit Points would be 32 [4 (credits) \times 8 (grade points for grade letter A)].

Suppose a student only opts for ECA and scores 25 marks out of 50 then his marks would be converted to 50 (out of 100) and his Grade letter would be C with 5 grade points.

Thus his Credit Points would be 10 [2 (credits) \times 5 (grade points for grade letter C)]

Similarly, if a student successfully completes a MOOC under the UGC's 'Swayam' scheme, and scores 60 marks, his Grade letter would be B+ with 7 grade points.

Thus, his Credit Points would be 28 [4(credits) \times 7 (grade points for grade letter B+)].

These Credit Points shall be added to the Cumulative Grade Score of all SIX Semesters and considered while calculating the Grade as explained in the illustration later.

24. CREDIT SCHEME FOR VAC (VALUE-ADDITION COURSES)

TIE-UP/ACCREDITED COURSES (Conducted in College only) (MAX TWO COURSES IN UG & PG RESPECTIVELY)	SCORE (ONLY AFTER SUCCESSFUL COMPLETION)	COURSES DESIGNED AND CONDUCTED BY COLLEGE (MAX THREE COURSES)	SCORE (For A, B, C GRADES)
Bajaj Finserv's CPBFI	50	English Proficiency Course	20/15/10
ICAI's CAT	50	Certificate in Business	20/15/10
		Communication	
CA-F/IPCC	25/50	Hindi Communication Skills	20/15/10

CA-F/Executive	25/50	Basic Computer Skills	20/15/10
Cambridge English's BEC	25/50	GS-SUN INTERNSHIPS (ONLY	50
(2 Levels)		AFTER SUCCESSFUL	
		COMPLETION)	
TCS' BPS	25	FOR UG & PG	20
		Competitive Examinations Training	(COMPLETED)
			30 (QUALIFIED)
NSE's NCFM	25	FOR PG ONLY	20
		NET/SET Guidance Programme	(COMPLETED)
			30 (QUALIFIED)
NISM COURSES (Each)	25		
Tally Education's TALLY	25		
Any other		Any other	

NB: Students can claim maximum 50 marks (2Credits) for any 2 Courses (from Tie-up pool) and 3 courses from (college pool) over a period of 3 (UG) or 2 (PG) years respectively. They can also opt for a combination of both pools for maximum 3 courses. Credits will be added in FINAL SEMESTER Grade Sheet.

25. CREDIT SCHEME FOR ECA (Extra- & Co-curricular Activities)

ACTIVITY, LEVEL	7/	NCC	NSS	Swachha Bharat Internship	ACEE	SPORTS	CULTURAL	CO-CURRICULAR	
(Only Office	cial	ANY C	NE OF T	HE ABOVE		ANY TWO	OR ALL THREE OF	THE ABOVE	
Events)		(2 Cred	lits)			(2 Credits)			
College		10	10	15-day	10+	10	10	10	
				Summer Internship in	10 (Project)	(5 for Parti Positions)	icipation + $5/3/2$ for	r First, Second & Third	
Inter-Colle	ege			city/adopted	Ser allas	10	10	10	
				village	500	(5 for Participation + 5/3/2 for First, Second & Third Positions)			
University		10	10	50 Marks	10	10	10	10	
State/Zone	;	10	10	(2 Credits)	10		election/Participation Third Positions)	n + 5/3/2 for First,	
National		20	20	The !	10	20	20	20	
NB: 10 M	1arks	for the	'BEST	' Cadet/Volunte	er/Student	(10 for Selection/Participation + 10/5/3 for First,			
Category a	and 5	Marks	for the 'E	BEST' Unit Cate	egory to be	Second &	Third Positions)		
added to t	total	marks	earned b	y a student in	the above	1			
activities d	luring	the co	urse of h	is entire UG or	PG studies				
subject to t	the to	tal scor	e not exc	eeding 50 marks	s)				
Inter -	25 (10 for \$	Selection	/Participation +	15/10/5 for	First, Secon	nd & Third Position	ons) to be added to the	
								of his entire UG or PG	
	studi	es subje	ect to the	total score not e	exceeding 50) marks.	_		
Total	50 50 50 50 50 50								
NB:	Stud	ents car	n claim r	naximum 50 m	arks (2 Cred	lits) for any	3 activities over a	period of 3 (UG) or 2	
				vill be added in				, ,	

26. CALCULATION OF CGPA

CGPA (Cumulative Grade Point Average): It is a measure of overall cumulative performance of a student over all semesters. The CGPA is a ratio of total credit points secured by a student in all semesters and the sum of the total credits of all courses in all the semesters.

CGPA shall be calculated for the entire programme on the basis of SGPA of all semesters and the additional credits for ECA & VAC to be added in Sixth Semester with the following formula:

CGPA = \sum (Ci × Si)/ \sum Ci [Si= SGPA for the ith semester and Ci is the total no. of credits in that semester.]

Illustration of CGPA

SEM I	SEM II	SEM III	SEM IV	SEM V	SEM VI	Total	ECA/VAC	Swayam/
						Credits		MOOC

Credits	24	24	24	24	24	24	144	4	4
SGPA	7.5	7.6	7.8	8.2	8.1	8.14		8 (GP)	7(GP)
CGPA	24*7.5	24*7.6	24*7.8	24*8.2	24*8.1	24*8.14		4*8	4*7
	180 +	182.4+	187.2 +	196.8 +	194.4 +	195.36 =	1136.16	32	28
	1136.16/144 = 7.89			1136.16 + 32= 1168.16/144			1136.16 + 32+ 28= 1206.16/144		
	CGPA (Without ECA/VAC/			CGPA (With ECA/VAC) = 8.11			CGPA (With ECA/VAC/MOOC) = 8.37		
	MOOC) :	= 7.89							

27. FINAL AWARD OF DIVISION

After the award of final Grade on the basis of CGPA, the students will be declared as passed with the following Divisions:

CGPA	Grade	Division
9.0-10	0	Outstanding
8.0 - 8.9	A+	Distinction
7.0- 7.9	A	First
6.0 - 6.9	B+	Higher Second
5.0- 5.9	В	Second
4.0- 4.9	С	Pass
00 - 3.9	F	Fail

While calculating the Cumulative Grade score, the value of Grade Point shall be considered Zero (00) in case of students who failed in the concerned course/s i.e. obtained the marks below 40. After calculating the SGPA for an individual semester and the CGPA for entire programme, the value can be matched with the grade in the Grade Point table as per the Seven (07) Points Grading System and expressed as a single designated GRADE such as O, A+, A, B+, B, C, F (Fail).

28. DECLARATION OF RESULT

- The results of all semester end examinations will be declared within 45 days after the conclusion of examination and will be notified on the college notice boards and website.
- The result of successful candidates at the end of Sixth Semester shall be classified on the basis of aggregate marks obtained in all the SIX semesters.
- An unsuccessful examinee at a Semester End examination shall be eligible for re-examination on payment of a fresh Examination Fee prescribed by the college and will appear for re-examination in the next Examination Schedule of the said semester examination either in Summer or Winter.
- The result of the candidates who have passed the Semester-VI examination but not passed the lower semester examinations shall be declared as NCL (not completed lower semester examinations). Such candidates shall be eligible for the Degree only after successful completion of all the lower semester examinations.
- Only those candidates who pass all the semester examinations in the First Attempt will be eligible for ranks/awards etc. to be announced by the college.

29. ATKT RULES

Unsuccessful Students shall be 'Allowed To Keep Term' in accordance with the following rules:

Admission to	Candidate should have	Candidate should have passed at least 50% of subjects of the			
Semester	filled the examination form	following examinations			
Semester II	Of Semester I				
Semester III	Of Semester II 50% of all Semester I & II subjects taken together; i.e. 6 subjects				
Semester IV	Of Semester III				
Semester V	Of Semester IV	All 12 Subjects of Semester I & II clear and 50% of Semester III			

		& IV subjects taken together (i.e. 6 subjects) = 18 subjects
Semester VI	Of Semester V	

Note:

- For consideration of passing marks for all subjects, the criterion would be minimum 40% marks (combined total of both internal and semester end marks) for each subject.
- Total marks (Internal + Semester End Examination) obtained by the student shall be converted into Grades as illustrated earlier.

30. REVALUATION

- Students can apply for revaluation of their answer-books after paying the prescribed fees and following due procedure.
- Revaluation of answer-books shall be done by a panel of external experts.
- If there is a variation of more than 5% to 10 % of marks between the original marks and the marks after reassessment the marks after reassessment (R1) shall be granted.
- In case there is a variation of more than 10% to 20% of marks between the original marks and the marks after the reassessment (R1) the paper shall be subjected to another reassessment (R2).
- In case there is a variation of more than 10% to 20% of marks between the marks after the first reassessment (R1) and marks after the second reassessment (R2) the paper shall be subjected to third reassessment (R3).
- Marks awarded after the third reassessment (R3), whether increased or decreased, shall be taken as final marks.

31. MAXIMUM ATTEMPTS

A candidate who fails in any of the semester examinations may be permitted to take the examination again at subsequent appearance as per the syllabus and scheme of examination in vogue at the time the candidate took the examination for the first time. This facility shall be limited to the following two years i.e. 4 more attempts.

32. REJECTION OF RESULT

- The candidate shall have an option of being NOT DECLARED SUCCESSFUL in any of the semester end examinations if he/she fails to secure minimum 60% marks in aggregate in that semester. This option can be opted only through prescribed format forming a part of Examination Application Form for semester end examination. It shall be applicable only to the external/semester end examination and not to the marks awarded in Internal Assessment which shall not be altered in any case. Once the candidate opts for Rejection of Result Scheme, his option shall be irrevocable.
- The candidate who fails in one or more subjects of a semester may be permitted to reject the result of the whole examination of that semester. Rejection of result subject-wise shall not be permitted. A candidate who rejects the result shall appear in the examination of that semester in the subsequent examination.
- Rejection shall be exercised only once in each semester and the rejection once exercised cannot be revoked.
- Application for rejection along with payment of prescribed fee shall be submitted to the college's Controller of Examination along with the original statement of marks within 30 days from the date of declaration of result.
- A candidate who rejects the result of a given semester will not be eligible for admission to the next semester.

• A candidate who has exercised the rejection option will be eligible for grade/division only and not considered for any ranking.

33. IMPROVEMENT OF RESULT

- A candidate who has passed in all the papers of a semester may be permitted to improve the result by reappearing for the whole examination of that semester.
- The reappearance shall be permitted only once in each semester.
- The reappearance for the examination of any semester shall be permitted during the subsequent examination of that semester.
- Application for reappearance along with payment of prescribed fees shall be submitted to the college along with the original statement of marks within 30 days from the declaration of result.
- If a candidate passes in all subjects in the reappearance, higher of the two aggregate marks secured by the candidate shall be awarded to the candidate for that semester. In case the candidate fails in reappearance, he shall retain his first appearance result.
- A candidate who appears for improvement of result shall be eligible for grade/division but not for ranking.
- Internal assessment marks shall remain the same and they are not included in the improvement of result scheme.

34. AWARD OF MARK SHEET/S

- All Mark Sheets for all semesters shall be awarded by the college at the end of each semester.
- Each Semester End Mark Sheet shall reflect both the actual marks and the Credits of each subject along with the Grade Letter designated for the marks obtained and SGPA.
- The Mark Sheet shall specifically mark all the pass/exempted/pass with grace and fail subjects.
- The Final Semester Mark Sheet shall include Credits / as well as additional Credits / Credit Points for ECA and VAC and Swayam/MOOC Courses.
- The Final Semester Mark Sheet shall include total marks, CGPA and final designated GRADE such as O, A+, A, B+, B, F (Fail).

35. AWARD OF DEGREE

- Students shall receive Degree from the RTM Nagpur University on payment of the prescribed fee.
- The Degree shall be issued at the end of successful completion of the programme i.e. after passing all semester end examinations. It shall be signed by the Hon'ble Vice-Chancellor and shall have the college's name on it.

36. GRIEVANCE REDRESSAL MECHANISM

- There shall be a Grievance Redressal Committee for all grievances related to examinations and assessment.
- The Committee shall be headed by the Controller of Examinations and shall have as members all HOD's/Programme Coordinators.
- In case of any dispute, the Chief Controller, Examinations/Principal shall decide the matter and his decision shall be final.

37. ABSORPTION SCHEME

• Only fresh candidates will be eligible for admission to this programme.

• Other students already enrolled in B.Com. (Computer Application) course of RTM Nagpur University or any other University can also join this course from Semester III stage subject to the conditions of medium and vacancies provided they have studied and passed in their previous semesters in RTM Nagpur University or any other university with the same subjects as prescribed in this course. Alternatively, such students will have to take examination in those subjects which they have not studied in earlier semesters in RTM Nagpur University or any other university earlier and their final result in this programme will be declared only after they clear these subject/s in maximum four attempts in four consecutive examinations.

38. REVISION OF COURSES

The college is offering a number of courses as per the following classification:

- A. The English Language Course (Compulsory)
- B. Core Courses (Compulsory)
- C. Skill/Foundation Courses (Compulsory)
- D. Elective Courses
 - a. Discipline Specific Electives
 - b. Generic Electives
 - c. Open Electives
- E. PROJECT WORK

The above courses as listed in **Appendix-II** have been designed by the college's Boards of Studies and approved by the college's Academic Council and Governing Body.

Further, existing courses will be modified or the new courses would be introduced as per the requirements of students and other stakeholders from time to time.

All the courses designed by the college are deemed to have the approval of RTM Nagpur University, State Government and the UGC.

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APPENDIX-I

PROGRAMME/COURSE OUTCOMES

B.COM. [COMPUTER APPLICATION]

[PROGRAMME CODE: GSN-UG-02-BCCA]

	BACHELOR OF COMMERCE (COMPUTER APPLICATION) [B.C.C.A.]
A.	PROGRAMME OUTCOMES
	After completing three years of B.Com. (Computer Application) programme, students are expected to
PO-1	Gain fundamental as well as advance knowledge of all the key and broad concepts in the field of Information Technology and Computer Application in general and the main domains of Commerce, Accountancy and Statistics, Business Management and Administration, Economics, and Business Communication in particular through various core, elective and skill-foundation courses including value-addition courses.
PO-2	Acquire and develop basic and advance skills in computer application and information technology for business such as accounting software like Tally.ERP 9.0, management information systems,

1.	English Language Skills	Students will able to develop competence and proficiency in							
	Course	Outcomes							
C.	COURSE OUTCOMES								
PSO-10		ics and corporate culture and corporate governance.							
PSO-9	Be able to apply Computer Appl	lication and data analytical skills in business decisions making.							
	Logical Reasoning.	•							
PSO-8		nations by doing an Elective Course on Quantitative Aptitude and							
	development through an interdis								
·	•	ia, Public Administration etc. through Electives leading to holistic							
PSO-7		Economics, Econometrics, Intellectual Property Rights, E-							
-	Commerce.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
PSO-6		ntrepreneurship Development, Industrial and Labour Laws, E-							
PSO-5	Have proficiency in both Direct GST.	t and Indirect Taxes with special emphasis on Corporate Tax and							
DCO 7		ion, Security Analysis and Portfolio Management,							
PSO-4		E-commerce, Indian Banking and Insurance System, International							
Dac :	Secretarial Practices and Taxatic								
		et Accountancy, Economics, Business Laws, Corporate Law and							
		ems, Web designing and key areas of Financial Accountancy,							
PSO-3		of Programming Languages, Database Management Systems,							
	interests.	五大·德· (3) / 5							
PSO-2		Discipline-specific and Generic Electives of their choices and							
	-	ics, Business Laws, Taxation, Indian Financial Systems etc.							
		letworking Commerce as well as the core Commerce subjects of							
		ng, Database Management Systems and Oracle, Operating Systems							
1201	_	C, C++ & C#, VB.NET, Core Java, Advanced Java and Android,							
PSO-1	2 0	and advanced knowledge of the core information technology							
ъ.		B.Com. (Computer Application) programme, students would							
В.	PROGRAMME-SPECIFIC OUTCOMES								
	Electives.								
		at only in the field of Commerce and Information Technology but the inter-disciplinary approach and study of Open and Generic							
PO-7		d a larger corpus of knowledge through higher studies including							
DO 7	development	de larger common of broards des described in the Common of the condition o							
PO-6		or venturing into a start-up by virtue of course in entrepreneurship							
	information officer etc.								
	-	tor, network system and data analyst, database administrator, chief							
		nce sectors, finance companies, logistical services etc. in various							
PO-5	Be competent to serve in various	ous industries and sectors especially in the field of information							
	skills acquired during the course	of graduation.							
PO-4		ent in public and private sectors by virtue of their knowledge and							
	situations and challenges and tak								
PO-3	•	ir knowledge and skills to find effective solutions to real life							
	promotion of Industry and busin								
		elds of Information Technology and apply these IT skills for the							
	database management systems	programming languages, web designing etc. in order to develop							

		texts, Business Communication and Correspondence skills,
		Grammar skills and Vocabulary.
2	Tiles and a language of the second of the se	Students will be able to understand the fundamentals of
2.	Financial Accounting	
		Accounting and the process of preparation of accounts as per the
2		need of business organization.
3.	Economics	Students will be able to relate the concepts and theories of
		Economics with the real world and its practical application in
		business.
4.	Programing in C	Students will be able to work on enterprise applications, games,
		graphics, and applications requiring calculations, etc by learning
		C language. Students would able to design and develop
		Operating Systems like Windows, Linux etc.
5.	Information System and	Students will be able to get benefit of keeping appropriate data
	Information Technology	about each user's task in a format best suited to that user and can
		do any task effectively and efficiently in a suitable format.
6.	Mathematics	Students will be able to get detailed understanding of various
		aspects of data collection and tabulation, learn application of
		measures of central tendency and get acquainted with the
		practical application of index number and to understand
		practical applications of business mathematics.
7.	Operating System and	Student would able to get the knowledge of Operating System
	Computer Hardware and	and Computer Hardware & Network connected peripheral
	Networking	devices like printers, scanners and copiers or sharing of system
	[E	and application software between multiple users.
8.	Programing in C++	Student can develop interest in areas where C++ is popularly
	14	used i.e. Operating Systems, Libraries, Graphics, Banking
	C3	Applications, Databases, Embedded Systems, Compilers.
9.	Business Ethics and	Students will be able to understand the concept of ethics in
	Corporate Culture	business and their importance and develop acceptable attitudes
		and viewpoints with respect to business ethics and social
		responsibility.
10.	Cost Accounting	Students will be able to understand the fundamentals of Cost
		Accounting and the process of preparation of cost accounts and
		statement to arrive at cost of product as well as to know the
		amount of profit.
11.	Company Law and	Students will be able to understand the process of formation and
	Secretarial Practice	incorporation of company in India; the framework of
		Memorandum of Association and Article of Association and
		Prospectus. Also learn about the concept of Share Capital,
		Shareholders, Members, Role of a Managing Director and
		meetings of companies.
12.	Web Designing and HTML	Students will be able to create web pages which can be
		understood by any web browsers.
13.	Programing in C#	Students would able to develop native windows applications,
		mobile apps, websites, games and even native Android or iOS
		apps by learning of C# with some additional frameworks like
		Xamarin or Mono.
14.	MIS and System Analysis	Students would be able to know the current status of
,	1.110 Ullu Ojoveni I iliui joid	The state of the s

		organization at a glance through Management Information
		System & System Analysis in order to improve the quality of
		decisions.
15.	Computer Application in	Students will be able to use of MS Word, MS Power point and
	Business	MS Excel Software in business, computerized accounting with
		the Tally accounting software, E-filing procedures of Direct
		Taxes and E-compliances of Indirect Taxes.
16.	Management Accounting	Students will understand fundamentals of Management
		Accounting and practical knowledge about various tools of
		management accounting for taking managerial decisions.
17.	Business Law	Students will be able to demonstrate an understanding of Legal
274	Dusiness Eu	Environment of Business in Indian scenario, apply basic legal
		knowledge to business transactions and communicate effectively
		using standard business and legal terminology.
18.	VB.NET	Students can create wide range of applications like console-
10.	V D.INE I	based applications, window-based applications, window services
10	D : WI D : :	web application, web services etc.
19.	Dynamic Web Designing	Students can present dynamic web content on web browsers for
• 0	(PHP and My SQL)	the personal and professional users.
20.	Database Management	Students can manage the database by DBMS & Oracle used for
	System and Oracles	running Online Transactions Processing (OLTP), Data
	G.	Warehousing (DW) and mixed database workload. Students can
	/3	store and retrieve related information.
21.	Environmental Studies —	Students will be able to understand the concept of Ecosystems
		and Environment, the concept of biodiversity and its
	18	conservation and environmental pollution.
22.	Auditing and Corporate	Students will be able to understand mechanisms of Corporate
	Governance	Governance, role of Board of Directors in Corporate
		Governance and corporate Governance in Indian context.
23.	Indian Financial System	Students will be able to understand the concept of money
	•	markets, capital markets and various instruments of money and
		capital markets, instruments of global capital markets, financial
		markets and the meaning and working of derivative market in
		India.
24.	Core Java	Students would able to design application software for both
,	001000.0	desktop and web applications.
25.	Python	Students can create and learn Console application, Desktop
20.	1 y thon	application, web development, Machine learning, Internet of
		Things (IOT) applications, system scripting. Students can
		connect to database system so that they can handle big data and
26	Indian Danking	perform complex mathematics.
26.	Indian Banking and	Student will be able to understand, the principles of borrowing
25	Insurance System	and lending, Internet banking and concepts of insurance.
27.	International Trade and	Students will be able to Explain the concepts in international
	Business Administration	business with respect to foreign trade/international business and
		Administration.
28.	Human Resource	Students would be able to build understanding about the aspects
	Management	of managing Human Resources in an organisation.

29.	Entrepreneurship	Students will be able to understand historical evolution of
<i>27</i> .	Development	entrepreneurship, various entrepreneurship trends, procedures of
	Development	opportunity scouting and idea generation, the concept, need,
		problems of Rural entrepreneurship and measures to develop the
		same.
30.	Quantitative aptitude and	Student will be able to understand concept of ratio and
30.	Logical reasoning	proportion, concept of interest and logical reasoning.
31.	Econometrics	Students would be able to develop clarity on application of
31.	Econometrics	statistical techniques to analyses and solve economic issues.
		•
		Students would build an attitude towards the applicability of
		statistical techniques to various economic issues to evolve with a concrete solution.
32	E-Governance	
34	E-Governance	Student will be able to understand compliance norms of e-
		governance related to tax filings, GST filings and companies and LLP.
33.	Introduction to Travel and	Student will be able to understand tourism development and
33.	Tourism	impact of tourism and rural tourism and other related aspects.
34.	Corporate Tax Planning	Student will be able to understand the provisions of direct taxes
34.	Corporate Tax Flamming	relating to corporate tax, application of tax provisions in respect
		of tax planning considerations relating to companies.
35.	Adv.Java and Android	Students can learn simplified mobile app development process.
35.	Adv. Java and Android	Students can also create custom mobile apps that solve customer
	Y.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
36.	ASP.NET	problems and increase value for their business. Students can get help to create web pages and web technologies
30.	ASF.NE1	like amazon.com, ebay.com and many other popular web sites
	The state of the s	by using ASP. NET as the framework.
37.	Security Analysis and	Students will be able to understand risk & return analysis, share
31.	Portfolio Management	valuation and portfolio Management through application of
	1 of trono Management	Various Models.
38.	Goods and Service Tax	Student will be able to understand the concept of charge and
50.	Goods and Service Tax	levy of Goods and Service Tax and computation of tax liability
		of Goods and Service Tax.
39.	Industrial and Labor Law	Student will be able to understand functioning of factories and
57.	industrial and Easter Eav	industries, compensation Laws and Union Laws.
40.	E-Commerce	Student will be able to understand the concepts of E-Commerce
40.	L'estimeree	& E-Business, basic requirements of E-Commerce and use of
		digital payment systems.
41.	Gandhian Economics	Students would be acquainted with the understanding about the
41.	Gundman Leonomics	various aspects of socio-economic principles of Gandhian
		ideology related to Economics and the implications of Gandhian
		Economics with respect to Indian Economy.
42.	Introduction to Public	Student will be able to understand functioning of Public
•	Administration	Administrative Authorities, the Concept of Democratic
		Governance and functioning of Parliament.
43.	Intellectual property Rights	Student will be able to understand the concept of Intellectual
	menocidai property rights	Property Rights, functioning of Patents and concepts of
		Copyright and Trademarks
44.	Constitution of India and	Student will be able to understand the basics of the Constitution,
	- VALUE OF ARROW WITH	and the desired of the constitution,

	Human Rights	Citizenship Rights and Human Rights						
45	Project	Students would be able to gain practical knowledge through						
		exposure to different problems and are expected to find						
		solutions through project work on any given idea/topic. Students						
		would be able to understand which programming language is						
		handy for them to make their project easier. Live projects will						
		allow students to gain valuable work experience during study.						

APPENDIX-II SCHEME OF TEACHING AND EXAMINATION FOR B.COM. (COMPUTER APPLICATION)

(UNDER CHOICE BASED CREDIT SYSTEM)

PROGRAMME CODE: GSN-UG-02-BCCA Semester-I

Sr.	Course	Subjects	Total	Hours			Marks				Credits
No.	Code		Theory	Practical	Semester	Internal	Practical	External	Internal	Total	
					End	Assessment	Examination	Examiner	Examiner	Marks	
					Exam						
1	BCCAL	English	60		80	20	1			100	4
	1.E	Language Skills			20	त अर्थ ।	X.				
2	BCCAC 1.1	Financial Accounting- I	60	4	80	20	DIAN !			100	4
3	BCCAC 1.2	Business Economics	60		80	20	SALE OF			100	4
4	BCCAC	Programming	36	48	40	10	30	10	10	100	4
	1.3	in C		per batch	TELE		737				
5	BCCAC	Information	36	48	40	10	30	10	10	100	4
	1.4	System &		per		JAILE	1				
		Information		batch		1					
		Technology			7			_			
6	BCCASFC 1.0	Mathematics	60		80	20				100	4
	Total		312	96	400	100	60	20	20	600	24

Semester-II

Sr.	Course	Course Subjects Total Hours		Hours			Marks				Credits
No.	Code		Theory	Practical	Semester	Internal	Practical	External	Internal	Total	
					End	Assessment	Examination	Examiner	Examiner	Marks	
					Exam						
1	BCCAL	English	60		80	20				100	4
	2.E	Language									
		Skills									
2	BCCAC	Financial	60		80	20				100	4
	2.1	Accounting-									
		II									
3	BCCAC	Monetary	60		80	20				100	4
	2.2	Economics									
4	BCCAC	Operating	36	48	40	10	30	10	10	100	4
-	2.3	System &		per							
		Computer		batch							
		Hardware									
		and									
		Networking									

5	BCCAC	Programming	36	48	40	10	30	10	10	100	4
	2.4	in C ++		per batch							
6	BCCASFC 2.0	Business Ethics and Corporate Culture	60		80	20				100	4
	Total		312	96	400	100	60	20	20	600	24

Semester-III

Sr.	Course	Subjects	Total	Hours			Marks				Credits
No.	Code		Theory	Practical	Semester	Internal	Practical	External	Internal	Total	
					End	Assessment	Examination	Examiner	Examiner	Marks	
					Exam						
1	BCCAC	Cost	60		80	20				100	4
	3.1	Accounting									
2	BCCAC	Company	60		80	20				100	4
_	3.2	Law &									
		Secretarial									
		Practice									
3	BCCAC	Web	36	48	40	10	30	10	10	100	4
	3.3	Designing &		per							
		HTML		batch							
4	BCCAC	Programming	36	48	40	10	30	10	10	100	4
	3.4	in C#		per	1	C PSEE D	~/				
				batch	633	11 319 8	200				
5	BCCAC	MIS and	60		80	20	3/			100	4
	3.5	System		-	128/0	of courses	37				
		Analysis		Motoro	16		1 21				
6	BCCASFC	Computer	36	48	40	10	30	10	10	100	4
	3.0	Applications		per	出馬	50 08 /	3/10/				
		in Business		batch	I EUE						
	Total		288	144 🥳	360	90	90	30	30	600	24

Semester-IV

Sr.	Course	Subjects	Total	Hours			Marks				Credits
No.	Code		Theory	Practical	Semester	Internal	Practical	External	Internal	Total	
					End	Assessment	Examination	Examiner	Examiner	Marks	
					Exam						
1	BCCAC	Management	60		80	20				100	4
	4.1	Accounting									
2	BCCAC	Business	60		80	20				100	4
	4.2	Laws									
3	BCCAC	VB.NET	36	48	40	10	30	10	10	100	4
	4.3			per							
				batch							
4	BCCAC	Dynamic Web	36	48	40	10	30	10	10	100	4
	4.4	Designing		per							
		(PHP &		batch							
		MySql)									
5	BCCAC	Database	36	48	40	10	30	10	10	100	4
	4.5	Management		per							
		Systems and		batch							
		Oracle									
6	BCCASFC	Environmental	60		80	20				100	4
_	4.0	Studies									
	Total		288	144	360	90	90	30	30	600	24

Semester-V

Sr.	Course	Subjects	Total	Hours			Marks				Credits
No.	Code		Theory	Practical	Semester End Exam	Internal Assessment	Practical Examination	External Examiner	Internal Examiner	Total Marks	
1	BCCAC 5.1	Auditing & Corporate Governance	60		80	20				100	4
2	BCCAC 5.2	Indian Financial System	60		80	20				100	4
3	BCCAC 5.3	Core Java	36	48 per batch	40	10	30	10	10	100	4
4	BCCAC 5.4	Python	36	48 per batch	40	10	30	10	10	100	4
5	BCCADE 5.51 BCCADE	Indian Banking & Insurance System International	60		80	20				100	4
	5.52 BCCADE	Trade & Business Administration									
	5.53 BCCAE	Human Resource Management			ART.	व देशहा					
	5.54	Entrepreneurship Development		4	160	वुरुवासिहरू	THE STATE OF				
6	BCCAGE 5.61	Quantitative Aptitude and Logical Reasoning	60		SOS HERE	20	HEIDE N			100	4
	BCCAGE 5.62	Econometrics			電火	A BLA	37				
	BCCAGE 5.63	E-Governance		1		नागपर	W				
	BCCAGE 5.64	Introduction to Travel & Tourism			7	M					
	Total		312	96	400	100	60	20	20	600	24

Semester-VI

Sr.	Course	Subjects	Total	Hours			Marks				Credits
No.	Code		Theory	Practical	Semester	Internal	Practical	External	Internal	Total	
					End	Assessment	Examination	Examiner	Examiner	Marks	
					Exam						
1	BCCAC	Corporate Tax	60		80	20				100	4
	6.1	Planning									
2	BCCAC	Adv. Java and	36	48	40	10	30	10	10	100	4
	6.2	Android		per							
				batch							
3	BCCAC	ASP. NET	36	48	40	10	30	10	10	100	4
	6.3			per							
				batch							
4	BCCADE	Security	60		80	20				100	4
	6.41	Analysis &									
		Portfolio									
		Management									
	BCCADE	Goods and									
	6.42	Service Tax									

	BCCADE 6.43	Industrial & Labour Laws									
	BCCADE	E-Commerce									
	6.44										
5	BCCAOE	Gandhian	60		80	20				100	4
	6.51	Economics									
	BCCAOE	Introduction to									
	6.52	Public									
		Administration									
	BCCAOE	Intellectual									
	6.53	Property Rights									
	BCCAOE	Constitution of									
	6.54	India and									
		Human Rights									
6	BCCAPR	Project (IT)	36	48			50	30	20	100	4
	6.6	(Software/Web		per							
		based)		batch							
	Total		312	96	400	100	60	20	20	600	24

SUMMARY/CLASSIFICATION OF COURSES

	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total
Language Courses	1	1					02
(Compulsory)							
Core Courses	4	4	5	₇ 5	4	3	25
(Compulsory)			1 1				
Skill/Foundation	1	1	To SHE	V R	-	-	04
Courses (Compulsory)		1	San	SUL SUL			
Discipline Specific Electives		136	(क्वा	Se las	4 (Any	4(Any One)	08
		178	(3-	(6) / 8	One)		
Generic Electives		H	2		4(Any		04
		(E	E >10	2 13	One)		
Open Electives		181	E DA	3//	7	4(Any One)	04
Project (IT) (Software/Web		45	(60)	1373	7/	1	01
based)		3 Ko	(AB)	2/3	57		

SUMMARY OF THE TOTAL MARKS

Sr.No		Instruction	Total Marks	Credits
•		Hours		
1	Semester – I	408	600	24
2	Semester – II	408	600	24
3	Semester – III	432	600	24
4	Semester – IV	432	600	24
5	Semester – V	408	600	24
6	Semester - VI	408	600	24 + 4 (ECA +VAC)
Total		2496	3600	144 + 4 (ECA +VAC)+ 4
				(MOOC)

B.COM. (Computer Application) Examination Semester–I

Sr. No.	Subject	Examination Scheme	Maximum Marks	Minimum Passing Marks
Core (C	Compulsory)			
		Semester End Examination	80	40
1	Financial Accounting- I	Internal Assessment	20	 40
		Total	100	
2	Business Economics	Semester End Examination	80	40

			Internal Assessment	20	
			Total	100	
			Semester End Examination	40	
			Internal Assessment	10	
3	Programming in C		Practical Work	30	40
3	Programming in C		External Examiner	10	
			Internal Examiner	10	
			Total	100	
4	Information System	&	Semester End Examination	40	40
	Information Technology		Internal Assessment	10	
			Practical Work	30	
			External Examiner	10	
			Internal Examiner	10	
			Total	100	
Langu	age				
			Semester End Examination	80	40
5	English Language Skills		Internal Assessment	20	40
			Total	100	
Skill/F	Foundation (Compulsory)	•			
			Semester End Examination	80	40
6.	Mathematics		Internal Assessment	20	40
			Total	100	
Total			·	600	240

B.COM. (Computer Application) Examination Semester-II

Sr. No.	Subject	Examination Scheme	Maximum Marks	Minimum Passing Marks	
Core (Compulsory)	Sall and Oxy			
		Semester End Examination	80	40	
1	Financial Accounting- II	Internal Assessment	20	40	
		Total	100		
		Semester End Examination	80	40	
2	Monetary Economics	Internal Assessment	20	40	
		Total	100		
		Semester End Examination	40		
		Internal Assessment	10		
2	Operating System & Computer	Practical Work	30	40	
3	Hardware and Networking	External Examiner	10		
	8	Internal Examiner	10		
		Total	100		
4		Semester End Examination	40	40	
		Internal Assessment	10		
	Programming in C ++	Practical Work	30		
	1 Togramming in C 11	External Examiner	10		
		Internal Examiner	10		
		Total	100		
Langu	age		•	•	
		Semester End Examination	80	10	
5	English Language Skills	Internal Assessment	20	40	
		Total	100		
Skill/F	Foundation (Compulsory)				
		Semester End Examination	80	40	
6.	Business Ethics and Corporate	Internal Assessment	20	40	
	Culture	Total	100	7	
Total	1	ı	600	240	

B.COM.(Computer Application) Examination Semester–III

Sr. No.	Subject	Examination Scheme	Maximum Marks	Minimum Passing Marks
Core (Co	ompulsory)			
1	Cost Assounting	Semester End Examination	80	40
1	Cost Accounting	Internal Assessment	20	

		Total	100	
	Company Law & Secretarial	Semester End Examination	80	40
2	Practice Practice	Internal Assessment	20	40
	Practice	Total	100	
		Semester End Examination	40	
		Internal Assessment	10	
3	Web Designing & UTMI	Practical Work	30	40
3	Web Designing & HTML	External Examiner	10	
		Internal Examiner	10	
		Total	100	
4	Programming in C#	Semester End Examination	40	40
		Internal Assessment	10	
		Practical Work	30	
		External Examiner	10	
		Internal Examiner	10	
		Total	100	
		Semester End Examination	80	40
5	MIS and System Analysis	Internal Assessment	20	40
		Total	100	
Skill/	Foundation (Compulsory)			
		Semester End Examination	40	
		Internal Assessment	10	
	Computer Applications in	Practical Work	30	40
5.	Business	External Examiner	10	
		Internal Examiner	10	
		Total	100	
Total			600	240

B.COM.(Computer Application) Examination Semester-IV

Sr. No.	Subject	Examination Scheme	Maximum Marks	Minimum Passing Marks		
Core (Compulsory)	THE DO SIN				
		Semester End Examination	80	40		
1	Management Accounting	Internal Assessment	20	40		
		Total	100			
		Semester End Examination	80	40		
2	Business Laws	Internal Assessment	20	40		
		Total	100			
		Semester End Examination	40			
		Internal Assessment	10			
,	VD NET	Practical Work	30	40		
3	VB.NET	External Examiner	10			
		Internal Examiner	10			
		Total	100			
4		Semester End Examination	40	40		
	Dynamic Web Designing (PHP	Internal Assessment	10			
		Practical Work	30			
	& MySql)	External Examiner	10			
	& Wysqi)	Internal Examiner	10			
		Total	100			
		Semester End Examination	40			
		Internal Assessment	10			
_	Database Management Systems	Practical Work	30	40		
5	and Oracle	External Examiner	10			
		Internal Examiner	10			
		Total	100	7		
Skill/F	Coundation (Compulsory)		•	•		
		Semester End Examination	80	40		
5.	Environmental Studies	Internal Assessment	20	40		
		Total	100			
Total	•		600	240		

B.COM.(Computer Application) Examination Semester–V

Sr. No.	Subject	Examination Scheme	Maximum Marks	Minimum Passing Marks			
Core (Compulsory)						
	Auditing & Corporate	Semester End Examination	80	40			
1	Auditing & Corporate Governance						
	Governance	Total	100				
		Semester End Examination	80	40			
2	Indian Financial System	Internal Assessment	20	7 40			
	-	Total	100				
		Semester End Examination	40				
		Internal Assessment					
2	Core Java	Practical Work	30	40			
3	Core Java	External Examiner	10				
		Internal Examiner	10				
		Total	100				
4		Semester End Examination	40	40			
		Internal Assessment	10				
	Python	Practical Work	30				
•		External Examiner	10				
		Internal Examiner	10				
		Total	100	7			
DISC	PLINE-SPECIFIC ELECTIVES (Any On	ne)	•	•			
5	Indian Banking & Insurance	Semester End Examination		40			
	System		80	40			
	International Trade & Business	THE ME					
	Administration	A CONTRACTOR AND A					
	Human Resource Management	Internal Assessment	20				
	Entrepreneurship Development	Total	100				
GEN	ERIC ELECTIVES(Any One)						
6	Quantitative Aptitude and	Semester End Examination					
	Logical Reasoning	后周日日	80	40			
	Econometrics	LE LE LANGE					
	E-Governance						
		Total	20	-			
	Introduction to Travel & Tourism	नागपुर	100				
Total		VM	600	240			

B.COM. (Computer Application) Examination Semester–VI

Sr. No.	Subject	Examination Scheme	Maximum Marks	Minimum Passing Marks		
Core (C	ompulsory)					
		Semester End Examination	80	40		
1	Corporate Tax Planning	Internal Assessment	20	40		
		Total	100			
		Semester End Examination	40			
	Adv. Java and Android	Internal Assessment	10			
2		Practical Work	30	40		
2		External Examiner	10			
		Internal Examiner	10			
		Total	100			
3		Semester End Examination	40			
		Internal Assessment	10			
	ASP. NET	Practical Work	30	40		
		External Examiner	10			
		Internal Examiner	10			
		Total	100			
DISCIP	LINE-SPECIFIC ELECTIVES (Any On	e)				
4	Security Analysis & Portfolio Management	Semester End Examination	80	40		

	Goods and Service Tax			
		T . 1 A	20	
	Industrial & Labour Laws	Internal Assessment	20	
	E-Commerce	Total	100	
OPEN :	ELECTIVES(Any One)			
5	Gandhian Economics	Semester End Examination		
	Introduction to Public		80	40
	Administration			
	Intellectual Property Rights	Internal Assessment	20	
	Constitution of India and Human	Total	100	
	Rights		100	
PROJE	ECT WORK (IT)			
6	Project (Software/Web based)	Project Work: 50		40
	,	External Examiner: 30	100	
		Internal Examiner: 20		
Total			600	240



APPENDIX- III (WORKLOAD)

Odd Semesters (July to November)

B Co	om. Computer App	lication	<u> </u>		Odd Semesters m. Computer Appli		10 110		m. Computer Application	Semeste	r – V
	ester – I	neution			ester – III	cutton	Dream computer rapproduct				• •
S. No.	Subjects	No. Perio	of ds	S. No.	Subjects	No. Perio		S. No.	Subjects	No. of l	
		T	P			T	P	Core	Group	T	P
1.	Financial Accounting- I	5		1.	Cost Accounting	5		1.	Auditing & Corporate Governance	5	
2.	Business Economics	5		2.	Company Law & Secretarial Practice	5		2.	Indian Financial System	5	
3.	Programming in C	3	B1- 4 B2- 4	3.	Web Designing & HTML	3	B1- 4 B2- 4	3.	Core Java	3	B1- 4 B2- 4
4.	Information System & Information Technology	3	B1- 4 B2- 4	4.	Programming in C#	3	B1- 4 B2- 4	4.	Python	3	B1- 4 B2- 4
5	Mathematics	5		5	MIS and System Analysis	5 अर्थ	S. S	5.	DISCIPLINE- SPECIFIC ELECTIVES(Any One) Indian Banking & Insurance System	5	
6	English Language Skills	5		6	Computer Applications in Business	3	B1- 4 B2- 4	A SEED	International Trade & Business Administration Human Resource		
					THE WAY	25	3		Management Entrepreneurship Development		
					777	गपुर	0	6.	GENERIC ELECTIVES (Any One)		
					1				Quantitative Aptitude and Logical Reasoning	5	
									Econometrics		
									E-Governance	1	
									Introduction to Travel & Tourism		
Total	Periods	26 (IT- 6)	16 (IT)	Total	Periods	24 (IT- 14)	24 (IT)	Total	Periods	26 (IT-6)	16 (IT

Even Semesters (December to April)

Seme	m. Computer Applic ester – II			Seme	m. Computer Appli ester – IV				m. Computer Applicatio		
S. No.	Subjects	No. Perio		S. No.	Subjects	No. Perio		S. No.	Subjects	No. of l	Periods P
1.	Financial Accounting -II	<u>T</u> 5	P	1.	Management Accounting	T 5	P	Core 1.	Group Corporate Tax Planning	5	
2.	Monetary Economics	5		2.	Business Laws	5		2.	Adv. Java and Android	3	B1- 4 B2- 4
3.	Operating System & Computer Hardware and Networking	3	B1- 4 B2- 4	3.	VB.NET	3	B1- 4 B2- 4	3.	ASP. NET	3	B1- 4 B2- 4
4.	Programming in C ++	3	B1- 4 B2- 4	4.	Dynamic Web Designing (PHP & MySql)	3	B1- 4 B2- 4				
5	Business Ethics and Corporate Culture	5		5	Database Management Systems and Oracle	3	B1- 4 B2- 4	4.	DISCIPLINE- SPECIFIC ELECTIVES(Any One) Security Analysis & Portfolio Management	5	
6	English Language Skills	5		6	Environmental Studies	5	HEIITEN ON	E	Goods and Service Tax Industrial & Labour Laws E-Commerce		
					नागपु	E.	5	5.	OPEN ELECTIVES (Any One) Gandhian Economics Introduction to Public Administration Intellectual Property Rights Constitution of India and Human Rights	. 5	
								6.	PROJECT WORK (Software/Web based)	3	B1- 04 B2- 04
Total	Periods	26 (IT- 6)	16 (IT)	Total	Periods	24 (IT- 9)	24 (IT)	Total	Periods	24(IT- 9)	24 (IT)

Total Subject-wise Workload: English 05; Commerce: 50; IT: 93

APPENDIX-IV

A. PATTERN OF QUESTION PAPER (THEORY/NUMERICAL)

Time: 3.00 Hours Marks: 80

	. 5.00 Hours	THEORY SUBJECTS	NUMERICAL SUBJECTS	With Rs. 00	
Q.	Sub-Question	Nature		Unit	Marks
Vo.	,				
		LAQ's	LAQ's		•
	A	Theory	Problem	Unit No. I	10
	OR		OR		
	В	Theory	Problem	Unit No. I	10
	A	Theory	Problem	Unit No. II	10
	OR		OR		
	В	Theory	Problem	Unit No. II	10
3	A	Theory	Problem	Unit No. III	10
	OR		OR		
	В	Theory	Problem	Unit No. III	10
1	A	Theory	Problem	Unit No. IV	10
	OR		OR		
	В	Theory	Problem	Unit No. IV	10
5.		SAQ (Any Two)	SAQ (Any Two)	-	
	A	Theory	Theory	Unit No. I	4
	В	Theory	Theory	Unit No. I	4
	С	Theory	Theory	Unit No. I	4
6.		SAQ (Any Two)	SAQ (Any Two)		
	A	Theory	Theory	Unit No. II	4
	В	Theory	Theory	Unit No. II	4
	С	Theory	Theory	Unit No. II	4
7.		SAQ (Any Two)	SAQ (Any Two)		
	A	Theory	Theory	Unit No. III	4
	В	Theory	Theory	Unit No. III	4
	С	Theory	Theory	Unit No. III	4
8.		SAQ (Any Two)	SAQ (Any Two)		
	A	Theory	Theory / 2/	Unit No. IV	4
	В	Theory	Theory	Unit No. IV	4
	С	Theory	Theory	Unit No. IV	4
9.		VSAQ/OBJECTIVE (All)	VSAQ/OBJECTIVE (All)		
	A	Theory	Theory	Unit No. I	2
	В	Theory	Theory	Unit No. II	2
	С	Theory	Theory	Unit No. II	2
	D	Theory	Theory	Unit No. IV	2
	TOTAL	-	<u>.</u>	•	80

N.B. Question Pattern is subject to change as per the exigencies of the syllabus/Units. Changes, if any, will be notified at the beginning of the session or well in advance before the examination.

B. PATTERN OF QUESTION PAPER IN **INFORMATION TECHNOLOGY** SUBJECTS/PAPERS (WITH PRACTICAL COMPONENT)

		THEORY			INTERNA L	PRACTICAL		VIVA-VOCE	
Time:	2.00 Ho	urs	Marks: 40		Marks:10	Time: 3.00 Hou	rs/ Marks: 30	Marks: 20	
Q. No.	Sub- Questic	Nature on	Unit	Marks	10	Particulars	Marks	INT	EXT
		LAQ'	s						
1	A	Theory	Unit No. I	07	1	Writing a	10	10	10
	OR					Program or			
	В	Theory	Unit No. I	07	1	Problem (Algorithm &			
2	A	Theory	Unit No. II	07		Flowchart)			
	OR					Execution on	15		
	В	Theory	Unit No. II	07		computer			
3	A	Theory	Unit No. III	07		Taking Hard			

	OR					Сору			
	В	Theory	Unit No. III	07		Practical	5	1	
4	A	Theory	Unit No. IV	07		Record			
	OR						30	10	10
	В	Theory	Unit No. IV	07					
5.		SAQ (Any One)	-]				
	A	Theory	Unit No. I	02					
	В	Theory	Unit No. I	02					
6.		SAQ (Any One)							
	A	Theory	Unit No. II	02					
	В	Theory	Unit No. II	02					
7.		SAQ (Any One)							
	A	Theory	Unit No. III	02					
	В	Theory	Unit No. III	02					
8.		SAQ (Any One)							
	A	Theory	Unit No. IV	02					
	В	Theory	Unit No. IV	02					
9.		VSAQ/(All)							
	A	Theory	Unit No. I	1					
	В	Theory	Unit No. II	1					
	С	Theory	Unit No. II	1					
	D	Theory	Unit No. IV	1					
		·	Total	40	10		30	10	10

C. PATTERN OF QUESTION PAPER (LANGUAGES)

		# T	TIME: 3 Hours	MARKS: 80
Q.	Sub-	Unit	Nature of Question	Marks
No.	Question		Nature of Question	
	A	Unit No. I	LAQ	8
	В	Unit No. I	LAQ	8
2		Unit No. 1	SAQ's	16
3	A	Unit No. 1	VSAQ's	8
	В	Unit No. 1	VSAQ's	8
4	A	Unit No. II	LAQ's	8
	В	Unit No. II	SAQ's	8
5	A	Unit No. III	VSAQ's	8
	В	Unit No. IV	VSAQ's	4
	С	Unit No. IV	VSAQ's	4
	TOTA			80

N.B. Question Pattern is subject to change as per the exigencies of the syllabus/Units. Changes, if any, will be notified at the beginning of the session or well in advance before the examination.

N.B. Question Pattern is subject to change as per the exigencies of the syllabus/Units. Changes, if any, will be notified at the beginning of the session or well in advance before the examination.

APPENDIX-V:

PROJECT SYNOPSIS

The project synopsis/ proposal should be prepared in consultation with the guide. The project guide must be a person having minimum Qualification MCM / M.Sc. (Computer Science + Information Technology) /M.Sc. (Mathematics / Electronics / Statistics / Physics + Post B.Sc. Diploma in Computer Science & Application) / MCA. The project proposal should clearly state the objectives and environment of the proposed project to be undertaken. It should have the following outline/details:

Sr. No.	Format of Synopsis for Desktop Application	Sr. No.	Format of Synopsis for Web Application			
1	Title of the Project	1	Title of the Project			
2	Objectives of the Project	2	Objectives of the Project			
3	Project Category (DBMS / RDBMS / OOPS etc.)	3	Project Category (DBMS / RDBMS / OOPS etc.)			
4	Tools/Platform and Languages	4	Tools/Platform and Languages to be used			
5	Complete Structure of the System	5	Complete Structure of the System			
	Numbers of Modules and its Description	MINE OF	Number of pages and links (short description)			
	Modular Chart / System Chart	3	Use / Information of Pages			
	Data Structures or Tables		Feedback Form (if any)			
	Data Structures or Tables	पुर	X			
	Process Logic of each Module.					
	Types of Report Generation.					
6	References	6	References			
Note:	Synopsis should not be more than 3-4 pag	ges				

Project Proposal (Synopsis)

The project proposal should be prepared in consultation with the guide. The project guide must be a person having minimum Qualification MCM / M.Sc. (Computer Science + Information Technology) / M.Sc. (Mathematics / Electronics / Statistics / Physics + Post B.Sc. Diploma in Computer Science & Application) / MCA. The project proposal should clearly state the objectives and environment of the proposed project to be undertaken. It should have full details as indicated in APPENDIX-V.

APPENDIX-VI:

PROJECT REPORT FORMAT

Final Project should be submitted to the Department/College as per the following format:

Sr. No.	Project Report Format					
1	Front Page					
2	Certificate Page					
3	Acknowledgment Page					
4	Declaration Page					
5	Approved copy of Synopsis					
6	Index or Content Page					
7	Contents					
	Introduction					
	Objectives					
	Preliminary System Analysis					
	Preliminary Investigation					
	Present System in Use					
	Flaws in Present System					
	Need of New System					
	Feasibility Study					
	Project Category					
	Software & Hardware Requirement Specification					
	Detailed System Analysis					
	Data Flow Diagram					
	Numbers of Modules and Process Logic					
	Data Structures and Tables					
	Entity-Relationship Diagram					
	System Design					
	Form Design					
	Source Code					
	Input Screen & Output Screen					
	Testing & Validation Checks					
	System Security Measures					
	Implementation, Evaluation and Maintenance					
	Future Scope of the project					
8	Conclusion					
	Bibliography & References					
	1					
