

VIVEKANANDA COLLEGE

College with Potential for Excellence

Residential & Autonomous – A Gurukula Institute of Life-Training
Re-accredited (3rd Cycle) with 'A' Grade (CGPA 3.59 out of 4.00) by NAAC

Affiliated to Madurai Kamaraj University

(Managed by Sri Ramakrishna Tapovanam, Tirupparaitturai, Trichy)

TIRUVEDAKAM WEST, MADURAI DISTRICT- 625 234

www.vivekanandacollege.ac.in



Department of Commerce (Computer Applications)

Programme: B.Com (Computer Applications)

**Learning Outcomes based Curriculum Framework
(LOCF)**

(For those students admitted during the Academic Year 2021-22 and after)

Vision

To promote a global centre of excellence focusing on commerce education with computer applications

Mission

To prepare students with academic excellence and professionals and computer skills in commerce to face global challenges.

Objectives

1. To impart holistic commerce education with professional excellence and experience
2. To educate students with computerized accounting knowledge, skills and training
3. To provide students with computer knowledge, skills and applications for better employment career.
4. To enhance the value system in the environment of life training and character building education.

Programme Educational Objectives (PEOs)

The B.Com Programme will make the graduates

PEO 1	To acquire and enhance accounting skills and to attain professional expertise by being competent, creative and ever ready to accept new and challenging roles in Industry and Academics.
PEO 2	To specialize in the courses and acquire practical exposures which would equip them to face the modern-day challenges in commerce and industry.
PEO 3	To demonstrate team spirit, soft skills and values to learn and adapt changes throughout their professional career.
PEO 4	To imbibe the entrepreneurial traits in order to embrace innovative opportunities by applying emerging technology, leadership in the process of startup business.
PEO 5	To demonstrate communicative skills and computer skills to update themselves for the competitive examinations

Programme Outcomes (POs)

On completion (after three years) of B.Com Programme, the students are expected to

PO 1	Complete professional courses like CA, CS, CMA and various business laws successfully
PO 2	Become managers, accountants, and sales representatives in multinational companies.
PO 3	Choose teaching and Computer oriented business as a career with the computer skills acquired.
PO 4	Become successful entrepreneurs with the innovative ideas and social responsibility
PO 5	Get through successfully in the competitive examinations conducted at the state level and national level for employment.

Mapping of PEO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
PEO 1	√				
PEO 2		√			
PEO 3			√		
PEO 4				√	
PEO 5					√

Mapping of PO with GA

	GA 1	GA 2	GA 3	GA 4	GA 5	GA 6	GA 7	GA 8	GA 9	GA 10	GA 11	GA 12	GA 13	GA 14	GA 15
PO 1	√	√		√		√	√			√		√		√	
PO 2	√		√			√	√			√	√	√		√	√
PO 3	√			√		√		√	√	√			√	√	√
PO 4	√				√	√			√	√		√	√	√	
PO 5	√					√			√	√		√		√	

Under Graduate Programmes - Question Paper Pattern for Both CIA & End Semester Examinations

With Effect From: 2018-19 onwards

Part I (Tamil / Sanskrit/Hindi) and Part II

OBE Syllabus UG: Section A – Remembering (K1)
Section B – Remembering (K1)
Section C – Understanding (K2)
Section D – Applying (K3)

CIA Test Question Paper Pattern (UG) – 3 Tests per Semester – 2 Hours

Section - A: MCQs (Compulsory) 10 X 1 =10 Marks
Section - B: VSA (5 out of 7) 5 X 2 = 10 Marks
Section - C: SA (3 out of 5) 3 X 6 = 18 Marks
Section - D: LA (1 out of 2) 1 X 12 =12 Marks

Total 50 Marks

End Semester Examinations Question Paper Pattern (UG) – 3 Hours

Section - A: MCQs 10 X 1 =10 Marks (From Question Bank given by the Course Teacher)
Section - B: VSA (5 out of 7) 5 X 2 =10 Marks
Section - C: SA (Either-or) 5 X 5 = 25 Marks
Section - D: LA (3 out of 5) 3 X 10 =30 Marks

Total 75 Marks

Part III (Core, Allied & Elective)

CIA Test Question Paper Pattern (UG) – 3 Tests per Semester – 2 Hours

Section - A: MCQs (Compulsory) 10 X 1=10 Marks
Section - B: VSA (5 out of 7) 5 X 2 = 10 Marks
Section - C: SA (3 out of 5) 3 X 6 = 18 Marks
Section - D: LA (1 out of 2) 1 X 12=12 Marks

Total 50 Marks

End Semester Examinations Question Paper Pattern (UG) – 3 Hours

Section - A: MCQs 10 X 1 =10 Marks (From Question Bank given by the Course Teacher)
Section - B: VSA (5 out of 7) 5 X 2 =10 Marks
Section - C: SA (Either-or) 5 X 5= 25 Marks
Section - D: LA (3 out of 5) 3 X 10 =30 Marks

Total 75 Marks

Part IV (SBS-Skills Based Subjects)

CIA Test Question Paper Pattern (UG) – 3 Tests per Semester at Department Level– 1 Hour

Section - A: MCQs	5 X 1 = 5Marks
Section - B: VSA (2 out of 4)	2 X 2 = 4 Marks
Section - C: SA (1 out of 2)	1 X 6 = 6 Marks
Section - D: LA (1 out of 2)	1 X 10=10 Marks

Total **25 Marks**

For competitive exam questions Pattern (OMR with 4 options will be used) 50X1=50 (1 hour)

End Semester Examinations Question Paper Pattern (UG) – 2 Hours

Section - A: MCQs	10 X 1 = 10 Marks (From Question Bank given by the Course Teacher)
Section - B: VSA (5 out of 7)	5 X 2 = 10 Marks
Section - C: SA (Either-or)	3 X 9 = 27 Marks
Section - D: LA (2 out of 4)	2 X 14= 28 Marks

Total **75 Marks**

For competitive exam questions Pattern (OMR with 4 options will be used) 75X1=75 (2 hours)

Part IV (Non Major Elective, Value Education and Environmental Studies)

CIA Test Question Paper Pattern (UG) – 1 Test per Semester – 2 Hours

Section - A: MCQs	10 X 1 = 10 Marks
Section -B: VSA (5 out of 7)	5 X 2 = 10 Marks
Section - C: SA (3 out of 5)	3 X 6 = 18 Marks
Section - D: LA (1 out of 2)	1 X 12= 12 Marks

Total **50 Marks**

End Semester Examinations Question Paper Pattern (UG) – 2 Hours

Section - A: MCQs	10 X 1 = 10 Marks (From Question Bank given by the Course Teacher)
Section - B: VSA (5 out of 7)	5 X 2 = 10 Marks
Section - C: SA (Either-or)	3 X 9 = 27 Marks
Section - D: LA (2 out of 4)	2 X 14= 28 Marks

Total **75 Marks**

Part V (End Semester Examinations only)

EXTENSION ACTIVITIES

End Semester Examinations Question Paper Pattern (UG) – 2 Hours

Section - A: MCQs	10 X 1 = 10 Marks
Section - B: VSA (5 out of 7)	5 X 2 = 10 Marks
Section - C: SA (Either-or)	3 X 9 = 27 Marks
Section - D: LA (2 out of 4)	2 X 14= 28 Marks

Total **75 Marks**

Part VI (End Semester Examinations only) UG & PG

1. General Knowledge – (One Examination per Semester– UG & PG) – 1 Hour

Section – A: MCQs 50 X 1 =50 Marks (OMR Sheet)

Total **50** Marks

2. Wit for Wisdom and Humour for Health – (One Examination per Year – UG & PG) – 1 Hour

Section – A: LA (5 out of 7) 5 X 20= 100 Marks

Total **100** Marks

3. Spiritual Education– (One Examination per Year – UG & PG) – 1 Hour

Section – A: VSA 20 X 2= 40 Marks

Section – B: SA (3 out of 5) 3 X 5 = 15 Marks

Section –C: LA (2 out of 4) 2 X 10 =20 Marks

Total **75** Marks

4. Physical Training– (One Examination for III Year UG & II Year PG Students) – 1 Hour

Section - A: MCQs 10 X 1 = 10 Marks

Section – B: SA ((Either-or)) 4 X 5 = 20 Marks

Section – C: LA (2 out of 4) 2 X 10 =20 Marks

Total **50** Marks

Continuous Internal Assessment (CIA) - Distribution of Marks

	UG		PG	
Part - I, II Part - III	Test (Best Two)	15 Marks	Test (Best Two)	15 Marks
	Cycle Test (5 × 1 = 5)	5 Marks	Quiz / Seminar	5 Marks
	Assignment (5 × 1 = 5)	5 Marks	Assignment	5 Marks
	Total	25 Marks	Total	25 Marks
Part- IV	Test (Best Two for SBS)	20 Marks		
	Assignment	5 Marks		
	Total	25 Marks		

Abbreviations:

MCQs: Multiple Choice Questions

SA : Short Answer

VSA: Very Short Answer

LA : Long Answer

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)
Programme: B.Com. (Computer Applications) (Under CBCS and OBE)
SCHEME OF EXAMINATIONS
FIRST SEMESTER

Part	Study Component	Course Code	Course Title	Hours	Credits	CIA Marks	ESE Marks	Total Marks
I	Hindi	P1LH11	Hindi	2	*	--	--	--
II	English	P2CE11	English for Basic Communication Skills	6	3	25	75	100
III	Core	11CT11	Financial Accounting - I	6	5	25	75	100
	Core	11CT12	Business Correspondence & Office Methods	5	4	25	75	100
	Core	11CP13	LAB-I: MS Office	4	4	40	60	100
	Allied	11AT11	Programming in C	5	5	25	75	100
IV	Non Major Elective	11NE11	PC Software	2	2	25	75	100
TOTAL				30	23			

SECOND SEMESTER

Part	Study Component	Course Code	Course Title	Hours	Credits	CIA Marks	ESE Marks	Total Marks
I	Hindi	P1LH21	Hindi	2	*	--	--	--
II	English	P2CE21	English for Advanced Communication Skills	6	3	25	75	100
III	Core	11CT21	Financial Accounting - II	6	5	25	75	100
	Core	11CT22	Banking Theory Law & Practice	4	4	25	75	100
	Core	11CP23	LAB – II: Desktop Publishing	6	4	40	60	100
	Allied	11AT21	Object Oriented Programming with C++	4	5	25	75	100
IV	Non Major Elective	11NE21	Salesmanship	2	2	25	75	100
TOTAL				30	23			

THIRD SEMESTER

Part	Study Component	Course Code	Course Title	Hours	Credits	CIA Marks	ESE Marks	Total Marks
II	Hindi	P1LH31	Business Hindi-I	4	3	100	--	100
III	Core	11CT31	Advanced Accounting	7	5	25	75	100
	Core	11CT32	Income Tax Law & Practice - I	5	4	25	75	100
	Core	11CP33	LAB- III: Oracle	6	4	40	60	100
	Allied	11AT31	Relational Data Base Management System	6	5	25	75	100
IV	Skill Based	11SB31	Business Mathematics	2	2	25	75	100
TOTAL				30	23			

FOURTH SEMESTER

Part	Study Component	Course Code	Course Title	Hours	Credits	CIA Marks	ESE Marks	Total Marks
I	Hindi	P1LH41	Business Hindi-II	4	3	25	75	100
III	Core	11CT41	Corporate Accounting	7	4	25	75	100
	Core	11CT42	Income Tax Law & Practice - II	5	4	25	75	100
	Core	11CP43	LAB- IV : Tally ERP 9	6	4	40	60	100
	Allied	11AT41	Business Statistics	6	5	25	75	100
IV	Skill Based	11SB41	E-Commerce	2	2	25	75	100
			TOTAL	30	22			

FIFTH SEMESTER

Part	Study Component	Course Code	Course Title	Hours	Credits	CIA Marks	ESE Marks	Total Marks
III	Core	11CT51	Cost Accounting	8	5	25	75	100
	Core	11CT52	Goods and Services Tax Law	6	4	25	75	100
	Core	11CP53	LAB-V: Visual Basic	6	4	40	60	100
	Elective	11EP5A	Java Programming	6	5	25	75	100
		11EP5B	Enterprise Resource Planning					
IV	Skill Based	11SB51	Commerce for Competitive Examinations	2	2	25	75	100
	ES	ESUG51	Environmental Studies	2	2	25	75	100
			TOTAL	30	22			

SIXTH SEMESTER

Part	Study Component	Course Code	Course Title	Hours	Credits	CIA Marks	ESE Marks	Total Marks
III	Core	11CT61	Auditing	7	4	25	75	100
	Core	11CT62	Management Accounting	6	4	25	75	100
	Elective	11EP6A	Web Designing	8	5	25	75	100
		11EP6B	Mobile Computing					
	Elective	11PV61	Project & Viva-voce	1	5	50	50	100
IV	Skill Based	11SB61	Entrepreneurship Development	2	2	25	75	100
	Skill Based	11SB62	Hardware & Networking	2	2	25	75	100
	Skill Based	11SB63	PHP and MYSQL	2	2	25	75	100
	VE	VEUG61	Value Education	2	2	25	75	100
V	EA	EAUG61	Extension Activities	-	1	--	100	100
			TOTAL	30	27			
			TOTAL NO. OF HOURS/CREDITS	180	140			

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and OBE)
(For those students admitted during the Academic Year 2018-19 and after)

PART – I : Language		SEMESTER - I
Course Title : Hindi-I		
Course Code: P1LH11	Hours per week: 2	Credit: --

mn~ns';:-

- 1- gekjh jk"V^aHkk"kk fgUnh dks tku ldrs gSaA
- 2- gekjs Kku dks o`fn~/k dj ldrs gSaA
- 3- mRrj Hkkjr esa ukSdjh ikus ds fy, cgqr mi;ksxh Hkk"kk gSA

UNIT-I o.kZekyk, Wa(Alphabets) Loj (Vowels)
O;atu (Consonants)

UNIT-II vk/kk v{kj (Half letters) ckjg[kfM;kW a(Matharas)
fcanq v{kj (Bindu letters)

UNIT-III okjksa ds uke (Name of Days)
eghuksa ds uke (Name of Months)

UNIT-IV lqcks/k fgUnh cksf/kuh-1
(Subodh Hindi Bodhini -1
(Lesson No.1-10)

UNIT-V O;kdj.k (Grammar)
1.fof/k (Imperative)
2.lkekU; orZekudky (Simple Present Tense)
3.rkRdkfyd orZekudky (Present Continuous Tense)
4.lkekU; Hkfo;r dky (Simple Future Tense)
5.lkekU; Hkwrdky (Simple Past Tense)

Text Book

lqcks/k fgUnh ikBekyk-1 nf{k.k Hkkjr fgUnh izpkj IHkk Vh uxj psUuS- 600017.

“Subodhhindi patmala-1”,Dakshin Bharat Hindi PracharSabha,T.Nagar, Chennai – 600017

Reference Books

1. हिन्दी व्याकरण - भाग 1, प्रकाशित वर्ष : 2020
लेखक : के .आर.गोपालन , जी .एम.वी . प्रकाशन , सेलम - 636 001.
2. व्याकरण प्रवेशिका , प्रकाशित वर्ष : 2019
प्रकाशक : दक्षिण भारत हिंदी प्रचार सभा , चेन्नै - 600 017.
3. शबरी वाणी विक स भाग - 1, प्रकाशित वर्ष : 2020
शबरी शिक्षा संस्थान , 194, दूसरी अग्रहारम , सेलम - 636 001.
4. सुबोध हिन्दी रचना - 1 (दक्षिण -3) प्रकाशित वर्ष : 2019
प्रकाशक : दक्षिण भारत हिंदी प्रचार सभा , चेन्नै - 600 017.
5. हिन्दी व्याकरण - भाग -2, प्रकाशित वर्ष : 2019
लेखक : सी .एस . कामराज , जी .एम.वी . प्रकाशन , सेलम - 636 001.

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF ENGLISH

Programme: B.A., B.Sc., B.Com., & B.Com. (CA) (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2021-22 onwards)

PART – II : English		SEMESTER - I
Course Title : ENGLISH FOR BASIC COMMUNICATION SKILLS		
Course Code: P2LE11	Hours per week: 6	Credit: 3
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

The students are expected to inculcate English language proficiency and its socio-linguistic competency.

Course Outcomes (CO)

On the successful completion of the course, the students would be able to:

No.	Course Outcome	Knowledge Level (according to Bloom's Taxonomy)
CO1	Use and interpret imaginative, and creative skills through the poetic genre	K1,K2,K3
CO2	Recognize listening, and reading proficiency through the prose discourses	K1,K2,K3
CO3	State socio-linguistic influence of authors found in the short stories	K1,K2,K3
CO4	Examine the properties of listening, speaking, reading, and writing activities to enhance English grammar usages	K1,K2,K3
CO5	Execute and exercise LSRW skills in academic and career	K1,K2,K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Mapping of CO and PO

	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	s	s	S
CO3	S	S	S	S	S
CO4	M	M	M	M	M
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Syllabus

Unit-1 Poetry

1. The Lord of My Life – Rabindranath Tagore
2. The Road Not Taken – Robert Frost
3. Hawk Roosting – Ted Hughes

Unit-2 Prose

1. The Secret of Work – Swami Vivekananda
2. Fourscore and Seven Years ago... – Abraham Lincoln
3. What Kind of Peace Do We Want? – J.F. Kennedy

Unit-3 Short Stories

1. A Shadow – R K Narayan
2. Karma – Khushwant Singh
3. The Romance of a Busy Broker – O Henry

Unit-4 Grammar

1. Parts of Speech
2. Kinds of Sentence
3. Punctuation

Unit-5 Oral & Written Communication

1. **Listening** – Comprehension practice from Poetry, Prose, Short-stories, observing/viewing E-content (with subtitles), Guest/Invited Lectures, Conference/Seminar Presentations & Tests and DD National News Live, BBC, CNN, VOA etc

2. **Speaking** – In Group Discussion Forum, speak about Tongue Twisters, Critical Thinking, Seminar Presentations on Classroom-Assignments, and Peer-Team interactions/AIF in Class-room
3. **Reading** – Pronunciation practice and enhancement from Poetry, Prose, Short-stories, Magazines, Newspaper etc
4. **Writing** – Asking & Giving Directions/Instructions, Developing Hints, and Filling Forms.

Text Books

1. *The Norton Anthology English Literature*. New York/London: W.W.Norton, 2012. (or) Vinay Harwadker, and A.K.Ramanujan, ed. *The Oxford Anthology of Modern Indian Poetry*. New Delhi: OUP, 1994. (or) Robert Anderson et al. *Elements of Literature: Fourth Course Literature of the United States*. Florida: HRW Inc. 1993. (or) Dr.M.Moovendhan, ed. *Wings of Poesy*. Chennai: Thamarai Publications, 2018. (or) <<https://www.poemhunter.com/poem/lord-of-my-life/>> The Lord of My Life – Rabindranath Tagore <<https://allpoetry.com/Hawk-Roosting>> Hawk Roosting <<https://poets.org/poem/road-not-taken>> The Road Not Taken.
2. Swami Vivekananda. “The Secret of Work.”
3. *Links: Indian Prose in English*. Ed. G.S.Balarama Gupta. New Delhi: Macmillan Indian Limited, 1989.
4. Dr.P.C.James Daniel, ed. *Gateway to English: An Anthology of Prose*. Chennai: Harrows Publications, 2018. <http://www.abrahamlincolnonline.org/lincoln/speeches/gettysburg.htm>
5. Abhijit Acharijee, and Rakesh Ramamoorthy, ed. *Frontiers of Communication: An Anthology of Short Stories and Prose*. Chennai: Cambridge University Press, 2018.
6. Michael Swan and Catherine Walter. *How English Works: A Grammar Practice Book*. Oxford: OUP, 1997. (or) Wren and Martin. *High School English Grammar and Composition*. New Delhi: S.Chand & Company LTD.1935.
7. Owen Hargie, David Dickson, and Dennis Tourish. *Communication Skills for Effective Management*. New York: Palgrave Macmillan, 2004. (or)
8. British Council | LearnEnglish <<https://learnenglish.britishcouncil.org/skills>>
9. BBC News <<https://www.bbc.com/news>> VOA Learning English <<https://learningenglish.voanews.com/>>
10. University Grants Commission (UGC), New Delhi <<https://www.ugc.ac.in/subpage/EContent-URL.aspx>> British Council | LearnEnglish <<https://www.youtube.com/channel/UCOtnu-KKoAbN47IuYMeDPOg>> Cambridge Assessment English <<https://www.cambridgeenglish.org/test-your-english/>>
11. CLIL (Content & Language Integrated Learning) – Module by TANSCHÉ
NOTE: (Text: Prescribed chapters or pages will be given to the students by the department and the college)

Reference Books

1. Eileen Thompson et al. *Prentice Hall Literature: The English Tradition*. 2.Ed. New Jersey: Prentice-Hall Inc., 1989. (or) John Pfordresher et al. *England in Literature*. Illinois: Scott, Foresman & Co., 1989. (or) Board of Editors. *Pearls in a String: English for Communication*. Chennai: Emerald Publishers, 2009.
2. Steuart H King, ed. *New Vistas in English Prose*. Bombay: Blackie & Sons Publishers, 1980.
3. Swami Vivekananda. “Work and Its Secret: The Secret of Work.” *The Complete Works of Swami Vivekananda*. Vol-II. Kolkata: Advaita Ashrama, 1989.
4. MG Narasimha Murthy, ed. *Famous Indian Stories*. Mumbai: Orient BlackSwan, 2009.
5. Chambers. *English Grammar and Composition*. London: William and Robert Chambers, 1855.
6. J. C.Nesfield. *Manual of English Grammar and Composition*. London: Macmillan, 1908.
7. Dennis Freeborn. *A Course Book in English Grammar*. London: Macmillan, 1987.
8. Elaine Walker and Steve Elsworth. *Grammar Practice for Elementary Students*. Harlow (UK): Pearson, 2000.
9. Mary Ellen Guffey, and Richard Almonte. *Essentials of Business Communication*. Toronto: Nelson Education, 2007.
10. Raymond Murphy and Louise Hashemi. *English Grammar in Use Supplementary Exercises*. Cambridge: CUP, 2004.

11. K.V. Joseph. *A Textbook of English Grammar and Usage*. New Delhi: TATA McGraw Hill Education Private Limited, 2012.
12. British Council | LearnEnglish < <https://www.youtube.com/channel/UCOtnu-KKoAbN47IuYMeDPOg>>
13. TOEFL Test < <https://www.ets.org/toefl>>

E Resources and References

Unit-1 Poetry

<https://www.enotes.com/topics/rabindranath-tagore/critical-essays/analysis-1>
<http://www.stfrancisschool.edu.in/uploads/studymaterial/2020-04-30-IX-English-2.pdf>
<https://www.slideshare.net/mithu12345/the-road-not-taken-113790468>
<https://allpoetry.com/Hawk-Roosting>
<https://www.litcharts.com/poetry/ted-hughes/hawk-roosting>

Unit-2 Prose

<http://xylemofenglish.blogspot.com/2016/05/the-secret-of-work-by-swami-vivekananda.html>
<https://www.slideserve.com/molimo/the-secret-of-work>
https://rnc.library.cornell.edu/gettysburg/good_cause/transcript.htm
<https://www.slideshare.net/micdshistory/abraham-lincoln-and-the-gettysburg-address>
<https://www.wagingpeace.org/john-f-kennedy-speaks-of-peace/>
<https://www.yourarticlelibrary.com/essay/essay-on-peace-need-and-importance-of-peace/40381>

Unit-3 Short Story

<https://englishsummary.com/lesson/a-shadow-summary-rk-narayan/#gsc.tab=0>
<https://brainly.in/question/1315290>
<https://ardhendude.blogspot.com/2014/04/theme-and-critical-analysis-of.html>
<http://sittingbee.com/karma-khushwant-singh/>
<https://americanliterature.com/author/o-henry/short-story/the-romance-of-a-busy-broker>
<http://sittingbee.com/the-romance-of-a-busy-broker-o-henry/>

Unit-4 Grammar

<https://www.learngrammar.net/english-grammar/en-parts-of-speech>
<https://www.learngrammar.net/english-grammar/sentence-definition-n-types>
<https://www.slideshare.net/ShabazSj/punctuations-and-their-use>

Unit-5 Oral & Written Communication

<https://content.byui.edu/file/b8b83119-9acc-4a7b-bc84-efacf9043998/1/Writing-2-5-2.html>
<https://www.towson.edu/careercenter/students/careerskills/communication.html>
<https://www.slideshare.net/shahbaazahmed15/bc-communication>
<https://www.inflibnet.ac.in/>

Pedagogy

Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session.

Note: (Additional online sources, presentation, and test will be given by the respective teachers in the English Language Lab).

Teaching Aids

Course Texts, Reference books, Writing Board, Guest Lecture/Invited Lecture, Group Discussion Forum and Online Sources.

Course Contents and Lecture Schedule

Module No	Topics	No. of Class Hours (90)	Content delivery method	Teaching Aids
Unit-1	Poetry			
	1. <i>The Lord of My Life</i> – Rabindranath Tagore 2. <i>The Road Not Taken</i> – Robert Frost 3. <i>Hawk Roosting</i> – Ted Hughes	3×6=18	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session	Course Texts, Writing Board, and Online Sources
Unit-2	Prose			
	1. <i>The Secret of Work</i> – Swami Vivekananda 2. <i>Fourscore and Seven Years ago...</i> – Abraham Lincoln 3. <i>What Kind of Peace Do We Want?</i> – J.F. Kennedy	3×6=18	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session	Course Texts, Writing Board, and Online Sources
Unit-3	Short Stories			
	1. <i>A Shadow</i> – R K Narayan 2. <i>Karma</i> – Khushwant Singh 3. <i>The Romance of a Busy Broker</i> – O Henry	3×6=18	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session	Course Texts, Writing Board, and Online Sources
Unit-4	Grammar			
	1. Parts of Speech 2. Kinds of Sentence 3. Punctuation	3×6=18	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session	Course Texts, Writing Board, and Online Sources
Unit-5	Oral & Written Communication			
	Listening – Comprehension practice from Poetry, Prose, Short-stories, observing/viewing E-content (with subtitles), Guest/Invited Lectures, Conference/Seminar Presentations & Tests and DD National News Live, BBC, CNN, VOA etc Speaking – In Group Discussion Forum, speak about Tongue Twisters, Critical Thinking, Seminar Presentations on Classroom- Assignments, and Peer-Team-interactions/AIF in Class-room Reading – Pronunciation practice and enhancement from Poetry, Prose, Short-stories, Magazines, Newspaper etc Writing – Asking & Giving Directions/Instructions, Developing Hints, and Filling Forms.	1×18=18 Listening-4 Speaking-5 Reading-4 Writing-5	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session	Course Texts, Writing Board, and Online sources

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - I
Course Title : FINANCIAL ACCOUNTING - I		
Course Code: 11CT11	Hours per Week: 6	Credit: 5
CIA Marks: 25 Marks	ESE Marks: 75 Marks	Total Marks: 100 Marks

Preamble

To provide knowledge regarding basic accounting concepts and conventions and also to inculcate skills in preparing Final Accounts of both Trading and Non-trading concern, Errors and their Rectification, Depreciation and Bank Reconciliation Statement.

Course Outcomes:

At the end of the course, students would be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Explain the fundamental concepts and conventions of accounting	K1, K2,K3
CO 2	Prepare Bank Reconciliation Statement and Rectify errors	K1, K2,K3
CO 3	Give the accounting treatment for depreciation under various methods	K1, K2,K3
CO 4	Prepare the final accounts of sole traders.	K1, K2,K3
CO 5	Prepare the final accounts of Non-Trading concerns.	K1, K2,K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT-I****[21 Hours]**

Book- Keeping – Accounting – Objectives - Methods of Accounting - Accounting Concepts and Conventions – Processing of Accounting - Journal – Ledger – Cash Books – Trial Balance.

UNIT-II**[21 Hours]**

Capital and Revenue items - Distinction between Capital and Revenue Receipts and Losses (Theory only) - Bank Reconciliation Statement - Errors and their Rectification

UNIT-III**[21 Hours]**

Depreciation - Straight Line Method - Written Down Value Method (Problems) – Annuity Method- Average Due Date (Simple Problems only)

UNIT-IV**[21 Hours]**

Final Accounts of Sole Trading Concerns.

UNIT-V**[21 Hours]**

Accounts of Non – Profitable Concerns - Receipts and Payments - Income and Expenditure Account and Balance Sheet.

Text Book

T.S.Reddy and A. Murthy., “**Advanced Accountancy – Volume - I**”, Margham Publications, Chennai, 2020.

Reference Books

1. M.C. Shukla, T.S. Grewal and S.C.Gupta., “**Advanced Accounts**”, S.Chand, New Delhi, 2018.
2. S.P. Jain and K.L Narang., “**Advanced Accountancy**”, Kalyani Publishers, New Delhi, 2018.
3. S.N. Maheshwari., “**Advanced Accountancy**”, Sultan Chand & Sons, New Delhi, 2017.
4. Arulanandam and Raman., “**Advanced Accountancy**”, Himalaya Publishing House, Mumbai, 2018.
5. R. L.Gupta and M.Radhaswamy., “**Advanced Accountancy**”, Sultan Chand & Sons, New Delhi, 2016.

E-Resources

1. <https://resource.cdn.icai.org/61786bos50279-cp1-u1.pdf> (Introduction to Accounting)
2. <https://resource.cdn.icai.org/61787bos50279-cp1-u2.pdf> (Accounting Principles)
3. <https://resource.cdn.icai.org/61788bos50279-cp1-u3.pdf> (Accounting Terminology)
4. <https://resource.cdn.icai.org/61795bos50279-cp2-u1.pdf> (Journal)
5. <https://resource.cdn.icai.org/61796bos50279-cp2-u2.pdf> (Ledger)
6. <https://resource.cdn.icai.org/61797bos50279-cp2-u3.pdf> (Trial Balance)
7. <https://resource.cdn.icai.org/61798bos50279-cp2-u4.pdf> (Subsidiary Books)
8. <https://resource.cdn.icai.org/61799bos50279-cp2-u5.pdf> (Cash Book)
9. <https://resource.cdn.icai.org/61800bos50279-cp2-u6.pdf> (Rectification of Errors)
10. <https://resource.cdn.icai.org/61801bos50279-cp3.pdf> (BRS)
11. <https://resource.cdn.icai.org/61789bos50279-cp1-u4.pdf> (Capital and Revenue Nature)
12. <https://resource.cdn.icai.org/61803bos50279-cp5.pdf> (Depreciation)
13. <https://resource.cdn.icai.org/61810bos50279-cp7-u2.pdf> (Final Accounts)
14. <https://resource.cdn.icai.org/61809bos50279-cp7-u1.pdf> (Non -Trading Concerns)
15. <https://resource.cdn.icai.org/61816bos50279-cp9.pdf> (Financial Statements of Not-for-Profit Organizations)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	M	S	S	L
CO3	S	S	S	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong; M-Medium; L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - I
Course Title : BUSINESS CORRESPONDENCE& OFFICE METHODS		
Course Code: 11CT12	Hours per week: 5	Credit: 4
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To bring about effective writing skills in commercial world to understand the basic idea about correspondence. Students can be aware about communication, modern methods of communication and also procedure followed for writing various letters.

Course Outcomes:

At the end of the course, students would be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Learn the principles of business communication and prepare application for job.	K1, K2, K3
CO 2	Know the procedure for drafting various business letters.	K1, K2, K3
CO 3	Draft letters used in banking and insurance companies.	K1, K2, K3
CO 4	Understand the functions of an office and the importance of office equipments.	K1, K2, K3
CO 5	Maintain records and do filing in an office.	K1, K2, K3

K₁-RememberingK₂-UnderstandingK₃-Applying**Syllabus****UNIT-I**

General Principles: Business Correspondence – Meaning – Form - Characteristics of a Good Business Letter. Letters of Application – Application for a Situation [15 Hours]

UNIT-II

Trade Letters: Trade Enquiries and Replies – Offers and Quotations–Orders - Placing, Confirmation–Collection Letters – Circular Letters - Meaning of Circular Letter. Letter Relating to Admission – Retirement and Death of a Partner – Letters Informing Change of Business and Business Premises. Letter Announcing Clearance Sale. [15 Hours]

UNIT-III

Banking Correspondence: Correspondence between Banker and Customer – Relating to Opening and Closure of Accounts Letter Requesting Overdraft and Loan Facilities – Letter Ordering Stop Payment of a Cheque.

Insurance Correspondence: Correspondence between Insured and Insurer with Regard to Claims and Settlements–Letter of Complaints with Regard to Damage to Goods for Transit. [15 Hours]

UNIT-IV

Organisation of a Modern Office: Office - meaning - Functions And Importance - Office System and Routines - Flow of Work - Office Manuals – meaning and types – Office Machines and Equipments - Necessity for Various Types of Equipments - Basic Principles in the Selection of Office Equipments [15 Hours]

UNIT-V

Maintenance of Records: Making Records - Paper Work in the Modern Office - Office Rooms - Forms Control – Design - Continuous Stationery.

Filing: Essentials of a Good Filing System - Classification and Arrangement - Filing Methods - Centralised and Decentralized Filing [15 Hours]

Text Book

R.S.N. Pillai & Bagavathi, “**Modern Commercial Correspondence**”, S.Chand & Company Ltd, New Delhi, 2018.

Reference Books

1. Rajendra Pal Korahill, “**Essentials of Business Communication**”, Sultan Chand & Sons, New Delhi, 2018.
2. Ramesh, MS, & C. C Pattanshetti, “**Business Communication**”, R.Chand & Co, New Delhi, 2016.
3. R.S.N. Pillai & Bagavathi, “**Office Management**”, S.Chand & Company Ltd, New Delhi, 2018.
4. Dr.T.Ramasamy, “**Office Management**”, Gold Books Publishing House, Srivilliputtur, 2019.
5. Business Communication Raymond V. Lesikar & Marie E. Flatley 13th Edition Publication McGraw Hill Education India.

E-Resources

1. <https://resource.cdn.icai.org/61875bos50299-cp10b.pdf> (official communication)
2. <https://resource.cdn.icai.org/61877bos50299-cp12.pdf> (Resume writing)
3. <https://resource.cdn.icai.org/61865bos50299-cp1.pdf> (Communication)
4. https://www.youtube.com/watch?v=Hdi1S52bhNg&list=PLLy_2iUCG87AuIWZ3qnjA1GriD-IGF3Za&index=2 (Importance of written communication)
5. <https://www.youtube.com/watch?v=mrMscoWro0w> (Office management)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	M	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	M	L
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Lab		SEMESTER - I
Course Title : LAB-I:MS-OFFICE		
Course Code: 11CP13	Hours per week: 4	Credit: 4
CIA: 40Marks	ESE: 60 Marks	Total: 100 Marks

Preamble

To enlighten the students with the knowledge of various components of office automation package used in business.

Course Outcomes:

At the end of the course, students would be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Prepare and format the word document, invitations, and greeting cards using MS Word.	K1, K2,K3
CO 2	Do mail merges for preparing office communication using MS Word.	K1, K2,K3
CO 3	Write Excel program to prepare Mark Statements, Electricity Bills, Pay Bills.	K1, K2,K3
CO 4	Prepare various charts and graphs for Marks details, Pay particulars, Sales and Profit details.	K1, K2,K3
CO 5	Design slides for Banking, Insurance, Accounting, Income Tax etc., to make Power Point Presentation.	K1, K2,K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**LIST OF PRACTICAL LAB EXERCISES****MS-WORD**

- Using MS-WORD to perform the following.
 - Format the text
 - Insert date, picture, table
 - Edit the text
- Prepare Mail Merge
- Design an invitation Card or Greetings Card using Word Art

MS-EXCEL

- Excel Program to prepare Students Marks
- Excel Program to prepare Electricity Bill
- Excel Program to prepare List of Candidates selected for a job.
- Excel Program to Calculate Income Tax
- Excel Program to prepare Pay Bill
- Prepare Chart using Marks details, Pay particulars, Sales and Profit details

MS-POWER POINT

- Prepare slide show (with atleast 5 slides) for a topic in Banking, Insurance, Accountancy, Income Tax, Marketing, Statistics, Costing, and Management.
- Prepare slide show (with atleast 5 slides) for a topic in Banking, Insurance, Accountancy, Income Tax, Marketing, Statistics, Costing, and Management using hyperlink.

Text Book

R.K.Taxali., "PC Software for Windows Made Simple", MCGRaw-Hill Publishing Company Ltd., New Delhi, (Current Edition).

Reference Books

1. Sanjay Saxena ,“**MS-Office 2000**”, Vikas Publishing House Private Ltd., New Delhi. (Current Edition)
2. Timothy J.O’Leary and Lindai O’Leary ,“**MS-Office**”, IRWIN/McGraw Hill, New Delhi, (Current Edition).

E-Resources

- 1.https://www.youtube.com/watch?v=ME_F9yypzsw&list=PLWPirh4EWFpHyWP7u5HOrr4s2-bycPpO6 - MS Word – Basics
- 2.<https://www.youtube.com/watch?v=-ujVQzTtxSg&list=PLWPirh4EWFpEpO6NjjWLbKSCb-wx3hMql> MS Excel - Introduction - Beginner's Guide
- 3.<https://www.youtube.com/watch?v=27dxBp0EgCc>
- 4.https://www.youtube.com/watch?v=On6rLc1l_MU
- 5.<https://www.pdfdrive.com/ms-office-excel-2007-das-handbuch-e40092000.html>
- 6.<https://www.pdfdrive.com/excel-basics-in-30-minutes-e187312924.html>
- 7.<https://www.pdfdrive.com/ms-office-powerpoint-pdf-e42216543.html>
- 8.<https://www.pdfdrive.com/learn-basic-computer-fundamentals-e1185336.html>

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	S	S
CO4	S	M	S	S	S
CO5	S	S	S	L	S

S-Strong **M**-Medium **L**-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and OBE)
(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Allied Theory		SEMESTER – I
Course Title : PROGRAMMING IN C		
Course Code: 11AT11	Hours per week: 5	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enlighten the students know the professional knowledge about the concepts, data types and to enable the students to write programs using C Language.

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Define the basic concepts of computers and list out computer devices	K1, K2,K3
CO2	Describe the features of C language and write C program	K1, K2,K3
CO3	Write C program using functions and arrays	K1, K2,K3
CO4	Write C program using structures	K1, K2,K3
CO5	Write C program using string and processor	K1, K2,K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT- I****(13 Hours)**

Introduction to computers: Basic components and functioning of the computers – Evolution of computers – Types of computers – Hardware of a personal computer – Storage devices and media – Concept of files and Directories in MSDOS and Windows Operating System.

UNIT- II**(10 Hours)**

C language – Elementary Programming Declarations - Assignments and Variable – integers Arithmetic Expressions – more data types – Printf and scanf - Escape sequences and control characters – Conversions specification – Relational and logical operations – Break and continue – if and if-else statements while and do-while, For loop and statements.

UNIT- III**(17 Hours)**

Function: Overview of function – Defining a function-accessing a function – function prototypes - Passing arguments to a function-recursion – User defined functions - Local and global variables - parameters – Boolean functions – Arrays – Strings and character arrays – Conditional expression – multidimensional arrays – Pointers and direction pointers – Address operator – Arrays and pointers.

UNIT- IV**(22 Hours)**

Structure: Defining a structure – Declaring structure variable – Accessing Structure members - Structure Initialization – Copying and computing structure variables – Arrays of structure – Structure in function.

UNIT- V**(13 Hours)**

String and string functions: static and auto classes – printf, strcpy, strlen, malloc, size of, strcmp. Standard input and output - putchar, getchar – header files – getch, putc, file input and output – C preprocessor – define, undef, include, ifdef, ifndef, else-miscellaneous features – typedef – register and external variables - labels and go to.

Text Book

E.Balagurusamy, “**Programming in ANSI C**”, Edition 2.1, Tata McGraw Hill Publishing Company, 2020.

Reference Books

1. Programming in C, 3rd Edition, By Pearson Paperback – 1st January 2015, Kamthane & Ashok.
2. Programming in C Paperback – 25th February 2016, by Reema Thareja.

3. C: The Complete Reference Paperback – 1st July 2017 by Herbert Schildt McGraw Hill Education 2017.
4. C Programming Language 2nd Edition (English, Paperback, Brain W. Kernighan, Dennis M. Ritchie) Pearson, 2015.
5. C in Depth Paerback – 30th June 2009, by S.K. Srivastave / Deepali Srivastave (Author) BPB Publications.

E-Resources

1. https://youtu.be/-AP1nNK3bRs?list=PLWPirh4EWFpF_2T13UeEgZWZHc8nHBuXp – Introduction to Computers
2. https://youtu.be/si-KFFOW2gw?list=PLVIQHNRLfIP8Igz6OxwIV_lgHgc72aXlh – C language
3. <https://youtu.be/3lqgdqoY83o?list=PLBlnK6fEyqRi0Va6znG73P52rFfXD5fhs> – Functions
4. <https://youtu.be/zmRxC7gYw-g?list=PLBlnK6fEyqRiteqwlMLXYtZ16xXDR7MO0> – Structure
5. <https://youtu.be/AW3m7kdWvI8> – String Functions

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO 1	S	M	S	S	S
CO 2	S	M	M	S	S
CO 3	S	S	S	M	S
CO 4	S	S	M	S	S
CO 5	M	S	S	S	S
CO 6	S	S	S	M	S

S-Strong M-Medium L-Low

Pedagogy

Power point presentations, Programming writing, Debugging, Mini Projects, Green Board, LCD Projector, Interactive White Board

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)
 Programme: B.Com (Computer Applications), (Under CBCS and LOCF)
 (For those students admitted during the Academic Year 2018-19 and after)

PART – IV: Non-Major Elective		SEMESTER - I
Course Title : PC SOFTWARE		
Course Code: 11NE11	Hours per week: 2	Credit: 2
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enlighten the students with the knowledge of various components of office automation package used in business.

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Prepare, formatting text and paragraph, and enhancing a document using MS Word.	K1,K2.K3
CO2	Do mail merges for preparing office communication using MS Word.	K1,K2.K3
CO3	Prepare various statements by using Excel.	K1,K2.K3
CO4	Prepare various charts and graphs for various statements like Mark analysis, Electricity charges etc.,	K1,K2.K3
CO5	Design slides for Group Discussion, Seminar, Quiz, Assignment, Experience Discussion etc., to make power point presentation.	K1,K2.K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Syllabus

UNIT: I

Introduction to Word – Word Processing – Starting Window – Editing a document – Move and Copy Text – Formatting Text and Paragraph – Find and Replace Text – Enhancing a document.

UNIT: II

Word: Tables – Using Graphics – Using Mail Merge – Miscellaneous feature of Word.

UNIT: III

Introduction to Worksheet and Excel – Getting Started with Excel – Editing Cells – Using Commands and Functions – Moving, Copying, Inserting and Deleting Rows and Columns – Printing a workbook.

UNIT: IV

Creating Charts – Using Data and Time – Naming Ranges and using build in Functions.

UNIT: V

Overview of PowerPoint – Creating a presentation – PowerPoint Views – Running a Slide show – Inserting Media files in the presentation – Custom Animation.

Text Book:

1. Study material prepared by the Department

Reference Books:

1. Vikash Gupta “Comdes Computer Course kit”, Dream Tech Press, New Delhi, 2014.
2. R.K.Taxali, “PC Software for Windows98 Made Simple” – Tata McGraw Hill Publishing Company Ltd, 2001.
3. Bittu Kumar “Mastering MS Office: Computer Skill Development: be Future Ready”, V&S Publishers, New Delhi, 2017.
4. Prof Satish Jain “BPB's Computer Course Windows 10 with MS Office 2016” PBP Publications, New Delhi, 2018.
5. Sandra Cable, Steven M “Microsoft Office 365 & Office 2019 Introductory” 2019.

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	L	M	S
CO3	M	S	S	S	S
CO4	S	S	S	S	L
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

E-Resources

1. https://youtu.be/ME_F9yypzsw?list=PLWPirh4EWFpHyWP7u5HOrr4s2-bycPpO6
2. <https://youtu.be/B54cm8TWTjI?list=PLWPirh4EWFpHyWP7u5HOrr4s2-bycPpO6>
3. <https://youtu.be/mf3pKJmnWJ0?list=PLWPirh4EWFpHyWP7u5HOrr4s2-bycPpO6>
4. <https://youtu.be/LxSf5-4JtJc>
5. <https://youtu.be/rJPWi5x0g3I?list=PLWPirh4EWFpEpO6NjjWLbKSCb-wx3hMql>
6. <https://youtu.be/ZnXYEljrelM?list=PLWPirh4EWFpEpO6NjjWLbKSCb-wx3hMql>
7. https://youtu.be/_7IVNHivE3k
8. <https://youtu.be/7VBn87qlxfY>
9. <https://youtu.be/tcj2BhhCMN4>
10. <https://youtu.be/tcj2BhhCMN4>
11. <https://youtu.be/h7YQWeXZnsQ?list=PLWPirh4EWFpHGhk2EhDGUppPZANBH8qSq>
12. <https://youtu.be/Zm0NdE7NqXE>

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study.

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – I : Language		SEMESTER - II
Course Title : Hindi - II		
Course Code: P1LH21	Hours per week: 2	Credit: --

mn~ns';:-

- 1- gekjh jk"V^aHkk"kk fgUnh dks tku ldrs gSaA
- 2- gekjs Kku dks o`fn~/k dj ldrs gSaA
- 3- mRrj Hkkjr esa ukSdjh ikus ds fy, cgqr mi;ksxh Hkk"kk gSA

Syllabus

UNIT-I

lqcks/k fgUnh ikBekyk-1
(SUBODH HINDI PATMALA-1) (Lesson:11-20)

UNIT-II

fxfUr;kWa (Numericals) fyx (Gender) opu (Number)
(1-50 with Fractions)

UNIT-III

- O;kdj.k(Grammar)
- 1 viw.kZ Hkwrdky(Past Continuous Tense)
 - 2 vklUu Hkwrdky(Present Perfect Tense)
 - 3 iw.kZ Hkwrdky (Past Perfect Tense)
 - 4 The Use of “us”
 - 5 The Use of “ld”
 - 6 The Use of “pqd”

UNIT-IV

tkuojksa ds uke (Name of Animals)
lkf{k;kksa ds uke (Name of Birds)

UNIT-V

rjdkfj;kksa ds uke (Name of Vegetables)
Qyksa ds uke (Name of Fruits)

Reference Books

- 1) हिन्दी व्याकरण - भाग 1, प्रकाशित वर्ष : 2020
लेखक : के .आर.गोपालन , जी .एम .वी . प्रकाशन , सेलम - 636 001.
- 2) व्याकरण प्रवेशिका , प्रकाशित वर्ष : 2019
प्रकाशक : दक्षिण भारत हिंदी प्रचार सभा , चेन्नै - 600 017.
- 3) शबरी वाणी विकास भाग - 1, प्रकाशित वर्ष : 2020
शबरी शिक्षा संस्थान , 194, दूसरी अग्रहारम , सेलम - 636 001.
- 4) सुबोध हिन्दी रचना -2 (भारत -3) प्रकाशित वर्ष : 2019
प्रकाशक : दक्षिण भारत हिंदी प्रचार सभा , चेन्नै - 600 017.
- 5) हिन्दी व्याकरण - भाग -2, प्रकाशित वर्ष : 2019
लेखक : सी .एस . कामराज , जी .एम .वी . प्रकाशन , सेलम - 636 001.

Text Book

lqcks/k fgUnh ikBekyk-1 nf{k.k Hkkjr fgUnh izpkj lHkk Vh uxj psUuS- 600017.

“Subodh Hindi Patmala-1”,Dakshin Bharat Hindi PracharSabha,T.Nagar, Chennai – 600017.

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF ENGLISH

Programme: B.A., B.Sc., B.Com., & B.Com. (CA) (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2021-22 onwards)

PART – II : English		SEMESTER - II
Course Title : ENGLISH FOR ADVANCED COMMUNICATION SKILLS		
Course Code: P2LE21	Hours per week: 6	Credit: 3
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

The students are expected to inculcate English language proficiency and its socio-linguistic competency.

Course Outcome (CO):

On the successful completion of the course, the students would be able to:

No	Course Outcome	Knowledge Level (according to Bloom's Taxonomy)
CO1	Interpret philosophical thoughts and language mastery found in the poetry	K1, K2, K3
CO2	Repeat listening, and reading proficiency through the prose discourses	K1, K2, K3
CO3	Discuss the socio-linguistic and psychological behaviour of author, and characters found in the drama/play	K1, K2, K3
CO4	Examine the properties of listening, speaking, reading, and writing activities to enhance English grammar usages	K1, K2, K3
CO5	Exercise LSRW skills	K1, K2, K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Mapping of CO and PO

	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	S	S
CO4	M	M	M	M	M
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Syllabus

Unit-1 Poetry

1. Alfred, Lord Tennyson – *Ulysses*
2. Nissim Ezekiel – *Night of the Scorpion*
3. Robert Frost – *Stopping by Woods on a Snowy Evening*

Unit-2 Prose

1. Swami Vivekananda – *Sisters and Brothers of America*
2. Martin Luther King Jr. – *I Have a Dream*
3. Francis Bacon – *Of Friendship*

Unit-3 Drama

William Shakespeare – *The Merchant of Venice*

(For the three Continuous Internal Assessment [CIA] Tests)

Unit-4 Grammar

1. Auxiliary (Helping) and Modal Verbs
2. Tenses
3. Question Tags

Unit-5 Oral & Written Communication

1. **Listening** – Comprehension practice from Poetry, Prose, Drama /Online Voice Practice, observing/viewing E-content (with subtitles), Guest/Invited Lectures, Conference/Seminar Presentations & Tests, and BBC, CNN, DD National News Live, VOA etc

2. **Speaking** – In Group Discussion Forum, speak about Theatrical/Dramatic Enactment, Body- Language, Mock-Interview, Seminar Presentations on Classroom-Assignments, and Peer-Team-interactions/AIF in Class-room
3. **Reading** – Intonation practice and its enhancement from Poetry, Prose, Drama, News-Paper, and Individual-Assignments
4. **Writing** – *Writing Formal Letters/Résumé Preparation*, Transcoding (graphs, diagrams, Charts and data), and *Report Writing*.*

Text Books

1. Anderson et al. *Elements of Literature: Fourth Course Literature of the United States*. Florida: HRW Inc. 1993. (or) Vinay Harwadker, and A.K.Ramanujan, ed. *The Oxford Anthology of Modern Indian Poetry*. New Delhi: OUP, 1994. *The Norton Anthology English Literature*. New York/London: W.W.Norton, 2012. (or) Dr.M.Moovendhan, ed. *Wings of Poesy*. Chennai: Tamarai Publications, 2018. (or)
<<https://www.poemhunter.com/poem/night-of-the-scorpion/>>
<<https://www.poetryfoundation.org/poems/44475/la-belle-dame-sans-merci-a-ballad>>
<<https://poets.org/poem/stopping-woods-snowy-evening>>
 2. Swami Vivekananda. *Sisters and Brothers of America*, (Chicago address at the World Parliament of Religions, 11th Sep, 1893.) <<http://www.advaitayoga.org/advaitayogaarticles/svchicagoadd.html>>
 3. Dr.P.C.James Daniel, ed. *Gateway to English: An Anthology of Prose*. Chennai: Harrows Publications, 2018.
 4. William Shakespeare. *The Merchant of Venice*. Ed. John Russell Brown. London: Methuen & Co., 1905. <<https://archive.org/details/in.ernet.dli.2015.126032/page/n7/mode/2up>> (or) Peter Alexander. *William Shakespeare: The Complete Works*. London: The English Language Book Society and Collins, 1964.
 5. Michael Swan and Catherine Walter. *How English Works: A Grammar Practice Book*. Oxford: OUP, 1997. (or) Wren and Martin. *High School English Grammar and Composition*. New Delhi: S.Chand& Company LTD.1935.
 6. Owen Hargie, David Dickson, and Dennis Tourish. *Communication Skills for Effective Management*. New York: Palgrave Macmillan, 2004. (or)
 7. British Council | LearnEnglish<<https://learnenglish.britishcouncil.org/skills>>
 8. BBC News <<https://www.bbc.com/news>>
 9. VOA Learning English <<https://learningenglish.voanews.com/>>
 10. University Grants Commission (UGC), New Delhi <<https://www.ugc.ac.in/subpage/EContent-URL.aspx>>
 11. British Council | LearnEnglish<<https://www.youtube.com/channel/UCOtnu-KKoAbN47IuYMeDPOg>> Cambridge Assessment English <<https://www.cambridgeenglish.org/test-your-english/>>
 12. CLIL (Content & Language Integrated Learning) – Module by TANSCHÉ
- NOTE: (Text: Prescribed chapters or pages will be given to the students by the department and the college)

Reference Books

1. Eileen Thompson et al. *Prentice Hall Literature: The English Tradition*. 2.Ed. New Jersey: Prentice-Hall Inc., 1989. (or) John Pfordresher et al. *England in Literature*. Illinois: Scott, Foresman& Co., 1989. (or) Steuart H King, ed. *New Vistas in English Prose*. Bombay: Blackie & Sons Publishers,1980.
2. The Art Institute of Chicago, “Sisters and Brothers of America!” <<https://www.artic.edu/articles/710/sisters-and-brothers-of-america>>
3. Dr.A.Shanmugakani, ed. *Prose for Communication: An Anthology of Prose*. Madurai: Manimekala Publishing House, 2008.
4. William James Craig, ed. *The Complete Works of William Shakespeare*. London: Oxford University Press, 1914.
5. William Shakespeare. *The Merchant of Venice*. London: J.Tonson, 1734. <https://archive.org/details/merchantofvenice00shak_11/page/36/mode/2up>
6. George Yule. *Oxford Practice Grammar Advanced*. Oxford: OUP, 2006.

7. L.G.Alexander. *Longman English Grammar Practice for Intermediate Students*. Harlow (UK): Longman, 1990.
8. Roger Berry. *English Grammar: A Resource Book for Students*. London: Routledge, 2012.
9. K.V.Joseph. *A Textbook of English Grammar and Usage*. New Delhi: TATA McGraw Hill Education Private Limited, 2012.
10. Mary Ellen Guffey, and Richard Almonte. *Essentials of Business Communication*. Toronto: Nelson Education, 2007.

E Resources and References

Unit-1 Poetry

- <https://www.litcharts.com/poetry/alfred-lord-tennyson/ulysses>
<https://www.poetryfoundation.org/poems/45392/ulysses>
<https://owlcation.com/humanities/Analysis-of-Poem-The-Night-of-the-Scorpion-by-Nissim-Ezekiel>
<https://literaryyog.com/night-scorpion-nissim-ezekiel/>
<https://www.poetryfoundation.org/poems/42891/stopping-by-woods-on-a-snowy-evening>
<https://studymoose.com/analysis-of-stopping-by-woods-on-a-snowy-evening-by-robert-frost-essay>

Unit-2 Prose

- <https://thejeshgn.com/wiki/great-speeches/sisters-and-brothers-of-america-swami-vivekananda/>
<https://www.ukessays.com/essays/english-language/speech-analysis-mrtin-luther-kings-i-have-a-dream-speech-7887.php>
<https://litpriest.com/essays/of-friendship-summary-analysis-francis-bacon/>

Unit-3 Drama

- <https://www.shakespeare.org.uk/explore-shakespeare/shakespeadia/shakespeares-plays/merchant-venice/>
<https://www.rsc.org.uk/the-merchant-of-venice/about-the-play/famous-quotes>
<https://www.litcharts.com/lit/the-merchant-of-venice/characters>
<https://www.slideshare.net/ciaffaroni/the-merchant-of-venice-62390271>

Unit-4 Grammar

- <https://www.gingersoftware.com/content/grammar-rules/verbs/auxiliary-or-helping-verbs/>
https://www.englisch-hilfen.de/en/grammar/english_tenses.htm
https://www.grammar.cl/Intermediate/Question_Tags.htm

Unit-5 Oral & Written Communication

- <https://content.byui.edu/file/b8b83119-9acc-4a7b-bc84-efac9043998/1/Writing-2-5-2.html>
<https://www.towson.edu/careercenter/students/careerskills/communication.html>
<https://www.slideshare.net/shahbaazahmed15/bc-communication>

Pedagogy

Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session.

Note: (Additional online sources, presentation, and test will be given by the respective teachers in the English Language Lab)

Teaching Aids

Course Texts, Reference books, Writing Board, Guest Lecture/Invited Lecture, Group Discussion Forum and Online Sources.

Course Contents and Lecture Schedule

Unit-1	Poetry	No. of Class Hours (90)	Content delivery method	Teaching Aids
	1. Alfred, Lord Tennyson –Ulysses 2. Nissim Ezekiel – Night of the Scorpion 3. Robert Frost – Stopping by Woods on a Snowy Evening	3×6=18	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session	Course Texts, Writing Board, and Online sources

Unit-2	Prose			
	1. Swami Vivekananda – <i>Sisters and Brothers of America</i> 2. Martin Luther King Jr. – <i>I Have a Dream</i> 3. Francis Bacon – <i>Of Friendship</i>	3×6=18	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive Session	Course Texts, Writing Board, and Online sources
Unit-3	Drama			
	William Shakespeare – <i>The Merchant of Venice</i> (For the three Continuous Internal Assessment [CIA] Tests)	1×18=18	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session	Course Texts, Writing Board, and Online sources
Unit-4	Grammar			
	1. Auxiliary (Helping) and Modal Verbs 2. Tenses 3. Question Tags	3×6=18	Teacher made aids and Mechanical (ITC) Aids, Chalk and Talk with interactive session	Course Texts, Writing Board, and Online sources
Unit-5	Oral & Written Communication			
	1. Listening – Comprehension practice from Poetry, Prose, Drama /Online Voice Practice, observing/viewing E-content (with subtitles), Guest/Invited Lectures, Conference/Seminar Presentations & Tests, and BBC, CNN, DD National News Live, VOA etc 2. Speaking – In Group Discussion Forum, speak about Theatrical/Dramatic Enactment, Body- Language, Mock-Interview, Seminar Presentations on Classroom-Assignments, and Peer-Team-interactions/AIF in Class-room 3. Reading – Intonation practice and its enhancement from Poetry, Prose, Drama, News-Paper, and Individual-Assignments 4. Writing – Writing Formal Letters/Résumé Preparation, Transcoding (graphs, diagrams, Charts and data), and Report Writing.*	1×18=18 Listening-4 Speaking-5 Reading-4 Writing-5	Teacher made aids and Mechanical (ITC) Aids, Chalk and	Course Texts, Writing Board, and Online sources

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - II
Course Title : FINANCIAL ACCOUNTING – II		
Course Code: 11CT21	Hours per week: 6	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

Provide knowledge regarding accounting treatment of department and branch accounts and also to inculcate skills in preparing Accounts under single entry system, joint venture and Insurance claims.

Course Outcomes:

At the end of the course, students would be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Prepare the accounts for joint ventures	K1, K2,K3
CO 2	Calculate profits under single entry system	K1, K2,K3
CO 3	Give the accounting treatment for preparing branch accounts	K1, K2,K3
CO 4	Prepare departmental accounts	K1, K2,K3
CO 5	Compute Fire Insurance Claims and prepare Self-Balancing Ledgers.	K1, K2,K3
	K₁-Remembering K₂-Understanding K₃-Applying	

Syllabus**UNIT-I****[21 Hours]**

Joint venture – Meaning - partnership Vs Joint ventures - When a separate set of books is kept – When a separate books is not kept.

UNIT-II**[21 Hours]**

Single entry - Net worth method - Conversion Method.

UNIT-III**[21 Hours]**

Branch Accounts-Dependent Branches - Debtors System - Cost Price and Invoice Price.

UNIT-IV**[21 Hours]**

Departmental Accounts - Allocation of Expenditure - Trading and Profit and Loss Account.

UNIT-V**[21 Hours]**

Self-Balancing Ledgers - Fire Insurance Claims- Loss of Stock - Average clause – Loss of Profit

Text Book

T.S.Reddy and A. Murthy., “Advanced Accountancy – Volume - I”, Margham Publications, Chennai, 2020.

Reference Books

1. M.C. Shukla, T.S. Grewal and S.C.Gupta., “Advanced Accounts”, S.Chand, New Delhi, 2019.
2. S.P. Jain and K.L Narang., “Advanced Accountancy”, Kalyani Publishers, New Delhi, 2019.
3. S.N. Maheshwari., “Advanced Accountancy”, Sultan Chand & Sons, New Delhi, 2018.
4. Arulanandam and Raman., “Advanced Accountancy”, Himalaya Publishing House, Mumbai, 2018.
5. R. L.Gupta and M.Radhaswamy., “Advanced Accountancy”, Sultan Chand & Sons, New Delhi, 2019.

E-Resources

1. <https://resource.cdn.icai.org/62053bos50398cp12.pdf> (Departmental Accounts)
2. <https://resource.cdn.icai.org/62054bos50398cp13.pdf> (Branch Accounting)
3. <https://resource.cdn.icai.org/62055bos50398cp14.pdf> (Single Entry System)
4. <https://resource.cdn.icai.org/62051bos50398cp10.pdf> (Insurance Claim)
5. <https://resource.cdn.icai.org/61807bos50279-cp6-u4.pdf> (Average Due Date)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
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CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	L	S
CO4	S	M	S	S	S
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - II
Course Title : BANKING THEORY, LAW & PRACTICE		
Course Code: 11CT22	Hours per week: 4	Credit: 4
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

Enable the students to gain the basic knowledge about recent banking concepts.

Course Outcomes:

At the end of the course, students would be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Recollect the knowledge about the structure and understand the functions of commercial banks and RBI.	K1, K2, K3
CO 2	Understand the relationship between the banker and customer.	K1, K2, K3
CO 3	Apply the procedure in opening various deposit accounts.	K1, K2, K3
CO 4	Differentiate the various negotiable instruments and prepare such instruments.	K1, K2, K3
CO 5	Examine the Rights and Duties of paying and collecting bankers.	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT-I****[15 Hours]**

Definition of banking – Kinds of banks – Unit banking Vs Branch banking – Deposit banking Vs Investment banking – Mixed banking – Commercial banks – Role of commercial banks for the economic development of a nation – Functions of commercial banks - Innovative services (Credits Card, Debit Card, ATM) – Central banking – RBI and its functions – Techniques of Credits control.

UNIT-II**[15 Hours]**

Banker and Customer – Definition – General and Special relationship.

UNIT-III**[15 Hours]**

Types of deposit accounts with the banker – Current accounts – Savings bank accounts – Fixed deposit accounts - Different types of customers-precautions to be taken before opening an account in the name of a new customer.

UNIT-IV**[15 Hours]**

Negotiable instrument – Definition – Distinguishing features of a cheque, Bill and promissory Note – Endorsement – kinds of endorsement and their legal effects – Crossing of cheques – Different types of crossing – Marking of cheques.

UNIT-V**[15 Hours]**

Paying and Collecting Bankers – Rights and duties of paying and collecting bankers – Precautions to be taken while paying and collecting cheques – Statutory protection.

Text BookE.Gordon&K.Natarajan., “**Banking Theory, Law &Practice**”,Himalaya Publishing House, Mumbai, 2020.**Reference Books**

1. Sundharam K.P.M. &Varshney P.N., “**Banking Theory, Law & Practice**”, Sultan Chand & Sons, New Delhi. 2018.
2. S.Gurusamy.,“**Banking Theory, Law & Practice**”, Vijay NicleInpresents Ltd., Chennai, 2018.
3. K.C. Shekhar, Lekshmy Shekhar, “Banking Theory and Practice”, S Chand Publishing, New Delhi, 2013
4. O.P.Agarwal, “Modern Banking of India” Himalaya Publishing House, Mumbai, 2019.
5. Sukhvinder Mishra, “Banking Law and Practice”, S Chand Publishing, New Delhi, 2014.

E-Resources

1. https://www.youtube.com/watch?v=GJdj_6B7sBk (RBI)
2. <https://www.youtube.com/watch?v=B-ULvtkdsrw> (Introduction to Banking)
3. <https://www.youtube.com/watch?v=E12kxsHxRr4> (Banker and Customer relationship)
4. <https://www.youtube.com/watch?v=1T5dYrVlsx4> (Deposits)
5. <https://www.youtube.com/watch?v=QhlCyKvOAqs> (Negotiable Instrument Act)
6. <https://www.youtube.com/watch?v=u5jaD1hW3Yc> (Paying and Collecting Banker)
7. <https://www.pdfdrive.com/banking-law-and-practice-icsi-e17323070.html> (E-Book)
8. <https://www.pdfdrive.com/banking-law-and-practice-icsiedu-e17323469.html> (E-Book)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	S	S	L
CO3	S	S	M	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

Part-III: Core Lab		SEMESTER - II
Course Title: LAB-II: DESKTOP PUBLISHING		
Course Code: 11CP23	Hours per week: 6	Credits: 4
CIA: 40 Marks	ESE: 60 Marks	Total: 100 Marks

Preamble

Students will be able to learn, create page designing, flex designing, logo creation and image editing.

Course Outcomes (COs)

After the completion of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Define the fundamental concepts of Corel Draw	K1, K2, K3
CO 2	Create curve, page outline and arrowhead.	K1, K2, K3
CO 3	Describe objects, Curve and filling object color	K1, K2, K3
CO 4	Explain Text effects and Curve command	K1, K2, K3
CO 5	Understand image editing and designing	K1, K2, K3

K₁-Remembering **K₂**-Understanding **K₃**-Applying

Syllabus**UNIT-I****[18 Hours]**

Getting Started with Photoshop: Introduction - Exploring the Toolbox - The New CS4 Applications - Bar & the Options Bar - Exploring Panels & Menus - Creating & Viewing a New - Document - Customizing the Interface - Setting Preferences Introduction - Working with images - Making Selections - Resizing & Cropping Images - Layers - Painting - Photo Retouching - Using Type masking - Filters.

UNIT-II**[18 Hours]**

Corel Draw: Introduction - Getting started - Drawing basic geometric figures - A New File - Title Bar-Menu Bar - opening and Saving an existing document - Previewing the drawing-working with page layout - Closing the drawing - Colour Palette - Tool box - Status Bar - Drawing Figures - Lines - Ellipse - Circles - Rectangle - Square - Polygon - Saving - Closing - Opening - Views - Normal View - Preview - Wire Frame View - Draft View - Zoom - View Manager.

UNIT-III**[18 Hours]**

Working with lines: Drawing a curve - Working with Objects: Selecting and Deselecting Objects, Deleting, Sizing, Rotating, Combining Objects - Grouping in Corel Draw, Grouping object, Ungrouping object - Filling objects

Working with Text: Types of text - Converting text from one type to another changing the appearances of text - Applying effects to the text - wrapping paragraph text around objects - Filling Text to an object path - Converting Text to an object using curve Command.

UNIT-IV**[18 Hours]**

Working with Bitmaps Commands: Bitmap Images - Editing Bitmaps - Changing vector Images into Bitmap Images - Importing a Bitmap into a Drawing - Bitmaps Printing - Cropping, Resembling & Resizing a Bitmap - Special Effects to Bitmap - Tracing Bitmaps - Converting Objects to Bitmap - 3D Effect - Art Effect - Blur Effect - Color Transformation Effect - Contour Effect - Creative Effect - Distort Effect.

UNIT-V**[18 Hours]**

Introduction - Tool box - Selecting an Object - Resizing an Object - Moving an Object - Changing the Shape - Combining Two Objects - Skewing - Welding the Objects - Blending - Curve Lines - Straight Lines - Continuing a Line - View Mode - Changing - Media Tool - Rotating An Object-Grouping - Fill Tool Fly Out-Filling - Spray Mode.

Text Book

- 1) Smart DTP Course, Soumya Ranjan Behera, 2014, BPB Publications
- 2) “Photoshop 6 In Depth”, David Xenakis Benjamin Levisay, DreamTech Press, New Delhi.

Reference Books

- 1) Vimal Pandya, Graphic Designing & Computer Application V, HK Arts College Publication, 2013.
- 2) DTP Desktop Publishing Training Guide by Prof. Satish Jain, BPB Publications, January 2015.
- 3) DTP Desktop Publishing (Paperback, T BALAJI TEAM), T. BALAJI PUBLICATION, 2018.
- 4) Desktop Publishing for Beginners (English, Paperback. Dr. L. SATHISH KUMAR), Notion Press, 2019.
- 5) Desktop Publishing (English, Paperback, Dr.L.Sathish Kumar, Dr.M.Ilayaraja), Notion Press, 2019.

E-Resource

1. <https://youtu.be/usDDvNXM1FM> - Introduction - Exploring the Toolbox
2. <https://youtu.be/ppUvA02SjXw> - Exploring Panels & Menus - Creating & Viewing
3. <https://youtu.be/ZChzCTy6tAo> - Customizing the Interface
4. https://youtu.be/LpQ_123Q6VA - Corel Draw Introduction
5. <https://youtu.be/fc1lluhCgmM> - Working with Bitmaps Commands
6. https://youtu.be/LpQ_123Q6VA - Selecting an Object

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

- Passed in the Board of Studies Meeting held on 20th February 2021
- Approved in the Academic Council Meeting held on 27th March 2021

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - II
Course Title : OBJECT ORIENTED PROGRAMMING WITH C++		
Course Code: 11AT21	Hours per week: 4	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

Students to know the practical knowledge about the concepts, data types and to enable the students to write programs using C++ Language.

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Explain the features of object oriented programming	K1, K2,K3
CO2	Write various programs in C++ using classes and functions	K1, K2,K3
CO3	Draft different types of programs in C++ using constructors and operator overloading	K1, K2,K3
CO4	Design various programs in C++ using inheritance extending classes	K1, K2,K3
CO5	Construct programs in C++ using pointers, virtual functions and polymorphism	K1, K2,K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT: I****(15 Hours)**

Objected Oriented paradigm – Elements of Object Oriented Programming (OOP) – Merits and demerits of OPP – Introduction to C++ Program - Identifiers - Basic data types - User defined data types - Derived data types - Symbolic constants - Declaration of variables - Dynamic initialization of variables - reference variables - Operators in C++ - Scope resolution operators - Manipulators type cast operator - Implicit conversions - Operator precedence - Control structures

UNIT: II**(20 Hours)**

FUNCTIONS IN C++: Introduction - The main function - Function prototyping call by reference - Return by reference - Inline functions - Default arguments - const arguments – Function overloading. CLASSES AND OBJECTS: Introduction - Specifying a class - Defining member functions - a C++ program with class - Making an outside function inline - Nesting of member functions - Private member functions - Arrays within a class - Memory allocation for objects - Static data members - Static member functions - Arrays of objects - Objects as function arguments - Friendly functions - Returning objects - const member functions.

UNIT: III**(20 Hours)**

CONSTRUCTORS AND DESTRUCTORS Introduction - Constructors - Parameterized constructors - Multiple constructors in class - Constructors with default arguments - Dynamic initializations of objects - Copy constructor - Destructors.

OPERATOR OVERLOADING AND TYPE CONVERSIONS: Introduction - Defining operator overloading - Overloading unary operators - Overloading binary operators - Overloading binary operators using friends - Manipulation of strings using operators.

UNIT: IV**(10 Hours)**

INHERITANCE EXTENDING CLASSES - Introduction - Defining derived classes - Single inheritance - Making a private member inheritable - Multilevel inheritance - Multiple inheritance - Hierarchical inheritance - Hybrid inheritance - Virtual base classes - Abstract classes - Constructors in derived classes

UNIT: V**(10 Hours)**

POINTERS, VIRTUAL FUNCTIONS AND POLYMORPHISM: Introduction - Pointers of objects - This pointer - Pointers to derived classes - Virtual functions - Pure virtual functions.
 MANAGING CONSOLE I/O OPERATIONS Introduction - C++ stream classes - Unformatted I/O operations - Formatted console I/O operations.

Text Book:

E. BalaguruSamy, “**OBJECT -ORIENTED PROGRAMMING WITH C++**”, Tata McGraw-Hill Publishing Company Ltd, 2013

Reference Books

1. Ira Pohl, “**Object oriented programming using C++**”, Pearson Education Asia, 2010.
2. BjareStroustrup, “**The C++ Programming Language**”, Addition Wesley, 2013.
3. John R.Hubbard, “**Programming with C++**”, Schaums outline series, TMH, 2003
4. Ira Pohl, “**Object oriented programming using C++**”, Pearson Education Asia, 2010.
5. BjareStroustrup, “**The C++ Programming Language**”, Addition Wesley, 2013.
6. John R.Hubbard, “**Programming with C++**”, Schaums outline series, TMH, 2003

E-Resources

- 1.https://youtu.be/10qvxPPISuY?list=PLVlQHNRLfIP8_DGKcMoRw-TYJJALgGu4J
- 2.https://youtu.be/10qvxPPISuY?list=PLVlQHNRLfIP8_DGKcMoRw-TYJJALgGu4J
- 3.https://youtu.be/EqV9udzkUGQ?list=PLWPirh4EWFpGDG3--IKMLPoYrgfuhaz_t
- 4.https://youtu.be/SQHREey_Yuc?list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C
- 5.https://youtu.be/KG4hjVDw-p8?list=PL0gIV7t6l2iIsR55zsSgeiOw9Bd_IUTbY
- 6.<https://youtu.be/wA8LriKDBAI>

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO 1	S	S	M	S	M
CO 2	S	M	M	S	S
CO 3	M	S	M	S	S
CO 4	S	S	S	S	M
CO 5	S	S	M	S	M

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Programming writing, Debugging, Mini Projects, Green Board, LCD Projector, Interactive White Board

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – IV : Non-Major Elective		SEMESTER - II
Course Title: SALESMANSHIP		
Course Code: 11NE21	Hours per week: 2	Credit: 2
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

Students to know the basics of salesmanship, its types and qualities, channels of distribution and personal selling

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Explain the meaning and nature of salesmanship	K1,K2,K3
CO2	Analyse the role of salesman in distribution and various channels of distribution	K1,K2,K3
CO3	Differentiate the various classes of salesman	K1,K2,K3
CO4	Understand the qualities of salesman, motives behind buying goods	K1,K2,K3
CO5	Identify the process of selling and nature of personal selling	K1,K2,K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT- I**

Origin, Evolution and Meaning of Salesmanship – Nature of Salesmanship

UNIT- II

Marketing Channels – Role of Salesman in distribution.

UNIT- III

Salesmanship – Classification of salesmanship.

UNIT- IV

Qualities of a good salesman – Knowledge of goods – Buying Motive – Customer

UNIT- V

Personal selling – Selling Process

Text Book

P.Saravanel and S.Sumathi. “Adverting and Salesmanship”, Margham Publication, Chennai, 2013.

Reference Books

1. R.S.N.Pillai and Bagavathi. “Modern Marketing-Principles and Practice”, S.Chand, New Delhi, 2013.
2. C.N.Sontakki, “Advertising and Sales Management”, Kalyani Publishers, New Delhi, 2011.

E-Resources

1. http://cbseacademic.nic.in/web_material/Curriculum20/publication/srsec/831%20SALESMANSHIP%20X1.pdf – Meaning and nature of Salesmanship.
2. https://www.tutorialspoint.com/sales_and_distribution_management/sales_and_distribution_management_tutorial.pdf - Marketing Channels and Salesman distribution management.
3. http://cbseacademic.nic.in/web_material/Curriculum/Vocational/2018/Salesmanship/SALESMANSHIP%20XII%20MAIN%20CONTENT.pdf – Classification of Salesmanship.
4. <https://youtu.be/uW8fjoAc45o> - Qualities of a good salesman.
5. <https://youtu.be/zr46j40GgoI> - Personal selling and Selling Process.

Pedagogy

Power point presentations, Green Board, LCD Projector, Interactive White Board

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – I: Language		SEMESTER - III
Course Title : BUSINESS HINDI-I		
Course Code: P1LH31	Hours per week: 3	Credit: 3
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

;g ikB~;dze nwljh o"kZ ds fon~;kfFkZ;ksa dks gS

Course Outcomes(CO)

ikB~;dze IQyrkiwoZd iwjk gksus ds ckn fon~;kfFkZ;ksa dh {kerk gS

dz la	ikB~;dze dk Kku	Kku dh fLFkfr
CO 1	IHkh fgUnh o.kZekykvs dks lh[kus ls fgUnh v{kjksa dks vPNh rjg fy[kr sgSa A	K1, K2, K3
CO 2	xn~;lh[krs le; vFkZ vkSj mYVs vFkZokys 'kCn vkfn rfey vkSj vaxzsth esa tku ysrs gSaA	K1, K2, K3
CO 3	in~;:nz; lh[krs le; vFkZ rfey vkSj vaxzsth esa tku ysrs gSa A	K1, K2, K3
CO 4	fofHkUu irzksa dh rjhdk dks fgUnh esa fy[kuk lh[k ysrs gSaA	K1, K2, K3
CO 5	fgUnh ls rfey ;k vaxzsth esa vuqokn djrs gSa vkSj rfey ;k vaxzsth ls fgUnh vuqokn djrs gSa A	K1, K2, K3

K₁-RememberingK₂-UnderstandingK₃-Applying**Syllabus****UNIT: 1** o.kZekyk, ;&Loj&O;atu&'kCn&okD; &fyax&opu&fxurh&okjksa ds uke& eghuksa ds uke

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UNIT: 2 xn~;:lqcks/k fgUnh ikBekyk&1 ¼ikB 1&5 rd½**UNIT: 3** in~;:lqcks/k fgUnh ikBekyk&1 ¼ikB 1&4 rd½**UNIT: 4** pqus gq, okf.kT; ds 'kCn % ¼1&90 feykuk½

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3-vkosnu i= 4- f'kdk;rh i=

UNIT: 5 vuqokn vH;kl

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lqcks/k fgUnh jpuk&1 ¼ikB 1&5½ ¼rfey ;k vaxzth ls fgUnh½

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1- fgUnh O;kdj.k&Hkx 1] 'izdkf'kr o"kZ % 2012

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2- lqcks/k fgUnh jpuk&2 ¼Hkkjr&3½ izdkf'kr o"kZ % 2010

izdk'kd % nf{k.k Hkkjr fgUnh izpkj IHkk] psUuS&17-

3- O;kdj.k izosf'kdk] izdkf'kr o"kZ % 2011

izdk'kd % nf{k.k Hkkjr fgUnh izpkj IHkk] psUuS&17

4- fgUnh O;kdj.k&Hkx 2] izdkf'kr o"kZ % 2011

ys[kd % lh-,l- dkejkt] th-,e-oh- izdk'ku] lsy&636 001-

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO 1	S	M	M	S	S
CO 2	S	M	M	M	S
CO 3	S	M	S	S	S
CO 4	S	S	S	S	S
CO 5	S	S	M	S	S

S-Strong;

M-Medium;

L-Low

Reference Book

1. शबरी वाणी विकास - भाग 3 प्रकाशित वर्ष : 2020
शबरी शिक्षा संस्थान , 194, दूसरी अग्रहारम , सेलम - 636 001.

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - III
Course Title : ADVANCED ACCOUNTING		
Course Code: 11CT31	Hours per week: 7	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To impart knowledge and skill in the preparation of various accounts relating to Partnership Firms, Royalty, Hire Purchase system and Insolvency of individuals.

Course Outcomes:

After the completion of the course, students will be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Prepare the accounts of Partnership Firms for admission and retirement	K1, K2, K3
CO 2	Give the accounting treatment for Joint Life Policy and dissolution of firm	K1, K2, K3
CO 3	Give the accounting treatment for Royalty Transactions	K1, K2, K3
CO 4	Prepare accounts under Hire Purchase System and Instalment System	K1, K2, K3
CO 5	Prepare accounts in the case of Insolvency of individuals.	K1, K2, K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Syllabus

UNIT-I

[21 Hours]

Partnership Accounts – Past Adjustment and Guarantee – Admission of a New Partner – Retirement and Death of a Partner.

UNIT-II

[21 Hours]

Joint Life Policy – Dissolution of Firms – Piecemeal Distribution of Assets.

UNIT-III

[21 Hours]

Royalty Accounts – Accounting Records in the Books of Lessor and Lessee – Sub-Lease.

UNIT-IV

[21 Hours]

Hire Purchase and Installment Accounts (Excluding Hire Trading Account and Stock and Debtors System)

UNIT-V

[21 Hours]

Insolvency of Individuals – Statement of Affairs and Deficiency Account.

Text Book

T.S.Reddy and A. Murthy., “**Advanced Accountancy – Volume - I**”, Margham Publications, Chennai, 2019.

Reference Books

1. M.C. Shukla, T.S. Grewal and S.C.Gupta., “**Advanced Accounts**”, S.Chand, New Delhi, 2019.
2. S.P. Jain and K.L Narang., “**Advanced Accountancy**”, Kalyani Publishers, New Delhi, 2018.
3. S.N. Maheshwari., “**Advanced Accountancy**”, Sultan Chand & Sons, New Delhi, 2019.
4. Arulanandam and Raman., “**Advanced Accountancy**”, Himalaya Publishing House, Mumbai, 2019.
5. R. L.Gupta and M.Radhaswamy., “**Advanced Accountancy**”, Sultan Chand & Sons, New Delhi, 2018.

E-Resources

1. <https://resource.cdn.icai.org/61811bos50279-cp8-u1.pdf> (Introduction to Partnership Accounts)
2. <https://resource.cdn.icai.org/61812bos50279-cp8-u2.pdf> (Treatment of Goodwill in Partnership Accounts)
3. <https://resource.cdn.icai.org/61813bos50279-cp8-u3.pdf> (Admission of a Partner)
4. <https://resource.cdn.icai.org/61814bos50279-cp8-u4.pdf> (Retirement of a Partner)
5. <https://resource.cdn.icai.org/61815bos50279-cp8-u5.pdf> (Death of a Partner)
6. <https://ca-intermediate.in/wp-content/uploads/2018/08/Unit-1-Dissolution-of-Partnership-Firms.pdf>
Dissolution of firms)
7. <https://resource.cdn.icai.org/62052bos50398cp11.pdf> (Hire Purchase Accounts)
8. <http://anucde.net/materials/DBC22%20Financial%20Accounting%20-%20II.pdf> (Royalty Accounts)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	L	S
CO4	S	M	S	S	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

Pedagogy:

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study.

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)
 Programme: B.COM.(COMPUTER APPLICATIONS) (Under CBCS and LOCF)
 (For those students admitted during the Academic Year 2018-19 and after)

Part-III: Core Theory		SEMESTER - III
Course Title: INCOME TAX LAW & PRACTICE – I		
Course Code: 11CT32	Hours per week: 6	Credits: 4
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enable the students to learn the provisions of the Income Tax Act, 1961 and to apply them to compute tax under different heads of income.

Course Outcomes (COs)

After the completion of the course, students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Acquire knowledge about fundamental concepts and Define the important concepts of Income Tax Act.	K1, K2, K3
CO 2	Understand the procedure for determining the Residential status and incidence of tax	K1, K2, K3
CO 3	Identify the various exempted incomes.	K1, K2, K3
CO 4	Analyse the computation of taxable income under salary.	K1, K2, K3
CO 5	Determine the taxable income under Income from house property and Business or Profession.	K1, K2, K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Syllabus

UNIT-I [15 Hours]

Income-Tax Act 1961: Introduction – History of Income Tax Act – Characteristics of Income Tax - Components of Income Tax Law - Basis and Procedure of Charging - Important Definitions - Rates of Tax.

UNIT-II [15 Hours]

Residence and Tax Liability: Determination of Residential Status and Tax Liabilities – Scope of Total Income or Incidence of Tax.

UNIT-III [15 Hours]

Exemptions from Tax: Incomes which do not form part of Total Income. (Exempted Incomes – U/s 10 other than charitable trusts and institutions, political parties and electoral trusts)

UNIT-IV [15 Hours]

Income from Salaries: Introduction – Basis of Charge - Basic Salary – Allowance – Perquisites – Profits in lieu of Salary – Deductions U/s 16 – Computation of Income from Salary – Retirement Benefits.

UNIT-V [15 Hours]

Income from House Property: Introduction – Basis of Charge – Incomes Exempted from House Property – Determination of Gross Annual Value – Deduction U/s 24 – Computation of Taxable Income from House Property.

Profits and Gains from Business or Profession: Introduction – Basis of Charge - Rules for Adjusting P&L A/c – Expenses Expressly Allowed - Expenses Expressly Disallowed – Depreciation U/s 32 – Computation of Income from Business or Profession.

Text Book (Current Edition Relevant to the Assessment Year)

Dr. Mehrotra & Dr. Goyal., “**Income-tax Law and Accounts**”, Sahitya Bhavan Publication, Agra.

Reference Books (Current Edition Relevant to the Assessment Year)

1. T.S. Reddy & Y.Hari Prasad Reddy., “**Income Tax Theory, Law & Practice**”, Margham Publications, Chennai.
2. Dr. Vinod K. Singhania., “**Direct Taxes – Law and Practice**”, Taxman publication, New Delhi.

3. B.B. Lal., “**Direct Taxes**”, Konark Publisher (P) ltd, New Delhi.
4. Bhagwathi Prasad., “**Direct Taxes – Law and Practice**”, WishwaPrakashana, New Delhi.
5. Gaur V.P., and Narang D.B., “**Income Tax Law and Practice**”, Kalyani Publishers, New Delhi.

Note:

- Questions shall be set as between theory and problems in the ratio of 40% and 60% respectively
- Amendments made upto 6 months prior to the date of examination is to be followed

E-Resources

- <https://resource.cdn.icai.org/61996bos50392cp1.pdf> (Basic Concepts)
- <https://resource.cdn.icai.org/61997bos50392cp2.pdf> (Residential Status)
- <https://resource.cdn.icai.org/61998bos50392cp3.pdf> (Exempted Income)
- <https://resource.cdn.icai.org/61999bos50392cp4u1.pdf> (Income from Salary)
- <https://resource.cdn.icai.org/62000bos50392cp4u2.pdf> (Income from House Property)
- <https://resource.cdn.icai.org/62001bos50392cp4u3.pdf> (Business or Profession)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 20th February 2021
- Approved in the Academic Council Meeting held on 27th March 2021

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Lab		SEMESTER - III
Course Title : LAB-III: ORACLE		
Course Code: 11CP33	Hours per week: 6	Credit: 4
CIA: 40Marks	ESE: 60 Marks	Total: 100 Marks

Preamble

Students will be able to learn fundamentals concepts of DBMS and SQL Queries

Course Outcomes:

After the completion of the course, students will be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Define DBMS concepts and SQL commands	K1, K2, K3
CO2	Create SQL tables using DDL queries	K1, K2, K3
CO3	Design SQL tables using DML queries	K1, K2, K3
CO4	Draft SQL tables using DCL queries	K1, K2, K3
CO5	Write SQL tables using TCL queries	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Exercises:**

1. Creating, modifying and dropping tables.
2. Inserting, modifying and deleting rows.
3. Working with decode and case.
4. Creating tables with adding, dropping, disabling /enabling constraints.
5. Retrieving rows with character functions.
6. Retrieving rows with number and date functions.
7. Retrieving rows with group functions and HAVING.
8. Retrieving rows with sub queries.
9. PL/SQL programs with control structures.
10. PL/SQL programs with cursors.
11. PL/SQL programs with exception handling.
12. Creating and calling procedures.
13. Creating and calling functions.
14. Creating and calling packages.
15. Overloading packages.
16. Working with sequences, synonyms, partition, index and clusters

Text Book:Alexis Leon & Mathews Leon, **“Database Management System”**, Leon Vikas Publishing, Chennai, 2002.**Reference Books**

1. Fred R. McFadden, Jeffrey A. Hofer & Mary B. Prescott, **“Modern Database Management”** 5th Edition, Pearson Education Asia, 2010.
2. Oracle Database 12c PL/SQL Programming Paperback – 1st June 2014, by McLaughlin, McGraw Hill Education.
3. Oracle for Beginners (First Edition) Paperback – 1st January 2019, by Sunil K. Choudhury, B.K. Publications Private Limited, 2019.
4. SQL & PL/SQL for Oracle 11g Black Book (English, Paperback, Deshpande P.S.), Dreamtech Press India Pvt. Ltd.,
5. Learning Oracle 11g (English, Paperback, Purdue Univ Prof Sham Tickoo), Cadcim Technologies.

E-Resources

1. <https://youtu.be/eSUG8zZ7DfQ> - SQL Fundamentals
2. <https://youtu.be/-juirLxfuqs> - DDL, DML, DQL, TCL & DCL commands
3. <https://youtu.be/y2CICRujsVw?list=PLWPirh4EWFpGKVoAXc4EjgaV4jbAyLrxe> – Functions
4. <https://youtu.be/dolh2HqJ7CA> - Aggregate Functions in SQL
5. <https://youtu.be/FHKtelZpa4Q> - Sequences, Synonyms, Partition, Index and Clusters

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO 1	S	S	M	S	M
CO 2	S	M	S	S	S
CO 3	M	S	M	S	S
CO 4	S	S	S	S	S
CO 5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study, Green Board, LCD Projector, Interactive White Board

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Allied Theory		SEMESTER - III
Course Title : RELATIONAL DATA BASE MANAGEMENT SYSTEM		
Course Code: 11AT31	Hours per week: 6	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To make the students to learn the basic concepts about database system, query language, relational database design and advanced topics in database.

Course Outcomes:

After the completion of the course, students will be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Gain a good understanding of the about various Information processing and Secondary Storage Devices	K1, K2, K3
CO2	Obtain the knowledge regarding DBMS and file structure.	K1, K2, K3
CO3	Familiarize with the various SDLC and DDLC processing and optimization techniques used in RDBMS.	K1, K2, K3
CO4	Provide information regarding various entity relationships modeling and data normalization used RDBMS.	K1, K2, K3
CO5	Understand the oracle data types and aggregate function	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT: I****(15 Hours)**

Data, Information and Information Processing, Secondary Storage Devices

UNIT: II**(15 Hours)**

Files file organization and file structure, introduction to Database Management System.

UNIT: III**(25 Hours)**

Software Development life Cycle (SDLC) and Database Development Cycle (DDLC), introduction to Relational database management system (RDBMS) Database architecture and data modeling

UNIT: IV**(20 Hours)**

Entity – Relationship (E-R) modeling, Data Normalization, Relational Algebra and Relational Calculus.

UNIT: V**(15 Hours)**

Oracle data types – Numbers, Strings, dates – Defining tables and column constraints – Creating and modifying tables – create, Alter, Drop – selection from and where clause – ordering, Group by having in update, Deletion – Aggregate function – Ave, min, max, sum & count.

Text Book:

Alexis Leon & Mathews Leon, “Database Management System”, Leon Vikas Publishing, Chennai, 2002.

Reference Books

1. Raghu Ramakrishnan & Johannes Gehrke, “Database Management Systems”, 2nd Edition, McGraw Hill International Edition, 2000.
2. Fred R. McFadden, Jeffrey A. Hofer & Mary B. Prescott, “Modern Database Management” 5th Edition, Pearson Education Asia, 2010.
3. Database Management system (DBMS) Dr. Rajiv Chopra S. Chand Publications 2015.
4. Database Management system Prof S.P.S. Saini & Anishsaini 1st Edition Vayu Education of India 2020.
5. Database Management System “Elma Sri Ramez & Navathe Shamkant” Pearson India 2017.

E-Resources

1. <https://www.youtube.com/watch?v=rBjo4USiqEs> (Information and Secondary storage device)
2. <https://www.youtube.com/watch?v=FLQBae0gkRA> (Information and Secondary storage device)
3. <https://www.youtube.com/watch?v=p8gtklh5t6E> (Files file organization and file structure)
4. <https://www.youtube.com/watch?v=9kU1SPORaoI> (Files file organization and file structure)
5. <https://www.youtube.com/watch?v=G-6qDY8UItU> (Software Development life Cycle)
6. <https://slideplayer.com/slide/5932114/> (Database Development Cycle)
7. <https://www.youtube.com/watch?v=Wv1c9K4788A> (Entity – Relationship (E-R) modeling)
8. <https://www.youtube.com/watch?v=9rjJDHAKitY> (Data Normalization)
9. <https://www.youtube.com/watch?v=mjpbSjTQ1SQ> (Oracle data types)

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study Green Board, LCD Projector, Interactive White Board

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	S	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong; M-Medium; L-Low

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – IV : Skill Based Theory		SEMESTER - III
Course Title : BUSINESS MATHEMATICS		
Course Code: 11SB31	Hours per week: 2	Credit: 2
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enable the students to acquire the basic skills about Set Theory, Annuity, Simple Interest, Compound Interest, Discount on bills, Bankers discount, Matrix, Logarithms, Anti Logarithms and to face the various competitive examinations.

Course Outcomes

At the end of the course, students will be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Recall the problems relating to Set Theory.	K1, K2, K3
CO 2	Summarise the problems on types of annuities, present value of Annuity	K1, K2, K3
CO 3	Examine the problems relating to simple interest, compound interest, discount on bills, true discount, bankers discount, bankers gain, present value.	K1, K2, K3
CO 4	Solve the problems on types of matrix, simultaneous equations by matrix inverse method.	K1, K2, K3
CO 5	Analyse the problems on logarithms, common logarithms and anti-logarithm.	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT: I****(4 Hours)**

Set theory – Set Definition – Operations on sets - Venn diagram- Laws of sets – Verification of laws by Venn Diagrams and examples – Solving problems using set theory.

UNIT: II**(4 Hours)**

Annuity- Definition – Types of Annuities – Present value of Annuity – Sinking fund - Amortization of principal.

UNIT: III**(4 Hours)**

Simple Interest – Compound Interest - Nominal Rate and Effective rate of Interest – Discount on Bills – True Discount – Bankers Discount – Bankers Gain – Present Value.

UNIT: IV**(4 Hours)**

Matrix – Definition – Types – Addition, Subtraction, Multiplication of Matrices – Matrix Equation – Transpose of Matrix - Inverse of Matrix – Solving Simultaneous Equations by Matrix inverse Method.

UNIT: V**(4 Hours)**

Logarithms – Introduction – Functions – Common Logarithms – Anti Logarithm.

Text Book

Wilson M., "**Business Mathematics**", Himalaya Publishing House, New Delhi, 2018.

Reference Books

1. Sundaresan and Jayaseelan., "**Introduction to Business Mathematics**", Sultan Chand Co& Ltd, New Delhi, 2018.
2. Dr.Peer Mohamed and Dr.Shazuli Ibrahim., "**Business Mathematics**", Pass Publications, Madurai. 2018.
3. Gary Clendenen Stanley A. Salzman "**Business Mathematics**" Publication Pearson, Student Edition 2018.

4. Dr.S.K. Sharma and Dr. Gurmeet Kaur “**Business Mathematics**” Sultan Chand Co& Ltd, New Delhi, 2019.
5. Dr.P.R.Vittal “**Business Mathematics**” Margham Publications, Chennai, 2018.

E-Resources

- 1.<https://youtu.be/tyDKR4FG3Yw> (Introduction to Set Theory)
- 2.<https://youtu.be/EyNoXCPETIk> (Types of Annuities)
- 3.<https://youtu.be/Ve4SY4C4wD0> (Simple Interest and Compound Interest)
- 4.<https://youtu.be/KeKPTAFbUbo> (Types of Matrices)
- 5.<https://youtu.be/bPLYCH1WaEY> (Rules of Logarithms)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study, Green Board, LCD Projector, Interactive White Board

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.COM. (Computer Applications (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

Part-I: Language		SEMESTER - IV
Course Title: BUSINESS HINDI - II		
Course Code: P1LH41	Hours per week: 4	Credits: 3
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

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Syllabus

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- UNIT 2.** **xn~; :** lqcks/k fgUnh ikBekyk&1 ¼ikB 6&9 rd½ [12 Hours]
- UNIT 3.** **in~;:** lqcks/k fgUnh ikBekyk&1 ¼ikB 5&9 rd½ [12 Hours]
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- 4- fgUnhO;kdj.k&Hkkx 2] izdkf'kuo"kZ % 2011
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DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)
 Programme: B.Com (Computer Applications), (Under CBCS and LOCF)
 (For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - IV
Course Title : CORPORATE ACCOUNTING		
Course Code: 11CT41	Hours per week: 7	Credit: 4
CIA Marks: 25 Marks	ESE Marks: 75 Marks	Total Marks: 100 Marks

Preamble

To provide basic knowledge to the students about corporate accounting and its applications into the business per Companies Act, 2013.

Course Outcomes:

After the completion of the course, students will be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Give accounting treatment for issue of equity shares, issue and redemption of preference shares and debentures	K1, K2, K3
CO 2	Calculate the Pre-Incorporation Profit and prepare financial statements of companies	K1, K2, K3
CO 3	Compute the value of Goodwill and Shares of companies.	K1, K2, K3
CO 4	Give the accounting treatment for Amalgamation and Reconstruction of Companies.	K1, K2, K3
CO 5	Prepare the Liquidator's final statement of account, statement of affairs and deficiency or surplus account.	K1, K2, K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Syllabus

UNIT-I

[21 Hours]

Company Accounts – Issue, Forfeiture and Reissue of Shares – Redemption of Preference Shares – Issue and Redemption of Debentures as per Companies Act, 2013.

UNIT-II

[21 Hours]

Pre-Incorporation Profit– Financial Statement of Companies as per Schedule III u/s 129 of Companies Act, 2013.(Excluding Managerial Remuneration).

UNIT-III

[21 Hours]

Valuation of Goodwill and Shares.

UNIT-IV

[21 Hours]

Amalgamations as per AS 14 and Internal Reconstruction of Companies.

UNIT-V

[21 Hours]

Liquidation of Companies – Order of Payment - Preferential Creditors – Statements of Affairs – Deficiency or Surplus Account – Liquidator's Final Statement of Account.

Text Book

T.S.Reddy and A. Murthy, “**Corporate Accounting**”, Margham Publications, Chennai, 2019.

Reference Books

1. M.A. Arulanandam & K.S Raman , “**Advanced Accountancy**” , Himalaya Publishing House, New Delhi, 2018
2. S.P. Jain and K.L. Narang, “**Advanced Accountancy II**”, Kalyani Publishers, New Delhi, 2018.
3. R.L. Gupta and M.Radhaswamy, “**Advanced Accountancy- Volume II**”, Sultan Chand & Sons, New Delhi, 2019

4. M.C.Shukla and T.S.Grewal, “**Advanced Accountancy**”, S.Chand, New Delhi, 2018.
5. P.C Tulsian and CA Bharat Tulsian “Corporate Accounting”, S. Chand and Company Ltd, New Delhi, 2014.

E-Resources

- 1.<https://resource.cdn.icai.org/38644bos28176cp4.pdf> (Company Accounts)
- 2.<https://resource.cdn.icai.org/55017bosfndnov19-p1-cp10u2.pdf> (Issue of Shares)
- 3.<https://resource.cdn.icai.org/55830bos45229cp7.pdf> (Redemption of Preference Shares)
- 4.<https://resource.cdn.icai.org/55018bosfndnov19-p1-cp10u3.pdf> (Issue of Debentures)
- 5.<https://resource.cdn.icai.org/61615bos45229cp8new.pdf> (Redemption of Debentures)
- 6.<https://resource.cdn.icai.org/55828bos45229cp5.pdf> (Pre-Incorporation Profit)
- 7.<https://resource.cdn.icai.org/55825bos45229cp4u1.pdf> (Financial Statements of Companies)
- 8.<https://ca-intermediate.in/wp-content/uploads/2018/08/Chapter-13-Valuation-of-Goodwill.pdf> (Valuation of Goodwill)
- 9.<http://www.himpub.com/documents/Chapter1678.pdf> (Valuation of Goodwill and Shares)
- 10.<https://resource.cdn.icai.org/55968bos45368may20-p5-cp5.pdf> (Amalgamation of Companies)
- 11.<https://resource.cdn.icai.org/55969bos45368may20-p5-cp6.pdf> (Internal Reconstruction)
- 12.<https://resource.cdn.icai.org/55970bos45368may20-p5-cp7.pdf> (Liquidation of Companies)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

Pedagogy:

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)
 Programme: B.COM.(COMPUTER APPLICATIONS) (Under CBCS and LOCF)
 (For those students admitted during the Academic Year 2018-19 and after)

Part-III: Core Theory		SEMESTER - IV
Course Title: INCOME TAX LAW & PRACTICE – II		
Course Code: 11CT42	Hours per week: 6	Credits: 4
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enable the students to learn the various provisions of heads of income and assessment procedures of individuals and firm.

Course Outcomes (COs)

After the completion of the course, students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Compute the income from capital gains and other sources.	K1, K2, K3
CO 2	Apply the provisions of clubbing of income and set-off and carry forward of losses.	K1, K2, K3
CO 3	Apply the various deductions from Gross Total Income.	K1, K2, K3
CO 4	Assess the income of individuals and firms.	K1, K2, K3
CO 5	Explain the powers of various income tax authorities and assessment procedure.	K1, K2, K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Syllabus

UNIT-I

[15 Hours]

Capital Gains: Introduction – Basis of Charge – Capital Asset – Transfer of Capital Asset – Computation of Capital Gain – Exempted Capital Gain.

Income from Other Sources: Introduction – Basis of Charge – Incomes Included in Other Sources – Dividend – Securities – Grossing up – Deductions Allowable – Inadmissible Items – Computation of Taxable Income from Other Sources.

UNIT-II

[15 Hours]

Aggregation of Incomes: Introduction - Income of other Persons including Assessee's Total Income (Clubbing of Incomes) – Deemed Incomes - Set-off and Carry Forward of Losses – Computation of Gross Total Income.

UNIT-III

[15 Hours]

Deductions from Gross Total Income: Introduction – Basic Principles for Deductions – Deductions for Payments – Deductions for Incomes - Computation of Total Income.

UNIT-IV

[15 Hours]

Assessment of Individual: Introduction to Individuals – Procedure for Computing Total Income – Computation of Total Income of Individual – Computation of Tax Liability of Individual.

Assessment of Firm: Introduction to Partnership Firm – Assessment of a Firm – Important Definitions – Adjustment of P&L A/c – Computation of Book Profit – Computation of Income of a Partner.

UNIT-V

[15 Hours]

Tax Authorities and Assessment Procedure: Income Tax Authorities - Assessment Procedure - Different Types of Assessments – Preparation and E-Filing of Return (including Faceless Assessment).

Text Book (Current Edition Relevant to the Assessment Year)

Dr. Mehrotra and Dr. Goyal., “Income-tax Law and Accounts”, Sahitya Bhavan Publication, Agra.

Reference Books (Current Edition Relevant to the Assessment Year)

1. T.S. Reddy & Y.Hari Prasad Reddy, “Income Tax Theory, Law & Practice”, Margham Publications, Chennai.
2. Dr. Vinod K. Singhanian., “Direct Taxes – Law and Practice”, Taxman publication, New Delhi.
3. B.B. Lal., “Direct Taxes”, Konark Publisher (P) ltd, New Delhi.
4. Bhagwathi Prasad., “Direct Taxes – Law and Practice”, WishwaPrakashana, New Delhi.

5. Gaur V.P., and Narang D.B., “Income Tax Law and Practice”, Kalyani Publishers, New Delhi.

Note:

- **Questions shall be set as between theory and problems in the ratio of 40% and 60% respectively**
- **Amendments made upto 6 months prior to the date of examination is to be followed**

E-Resources

- <https://resource.cdn.icai.org/62002bos50392cp4u4.pdf> (Capital Gains)
- <https://resource.cdn.icai.org/62003bos50392cp4u5.pdf> (Other Sources)
- <https://resource.cdn.icai.org/62004bos50392cp5.pdf> (Clubbing of Income)
- <https://resource.cdn.icai.org/62005bos50392cp6.pdf> (Aggregation of Incomes)
- <https://resource.cdn.icai.org/62006bos50392cp7.pdf> (Deductions from Gross Total Income)
- <https://resource.cdn.icai.org/62007bos50392cp8.pdf> (Computation of Total Income)
- <https://resource.cdn.icai.org/62297bos50449-mod2-cp12.pdf> (Assessment of Entities)
- <https://resource.cdn.icai.org/62008bos50392cp9.pdf> (Payments of Tax)
- <https://resource.cdn.icai.org/62303bos50449-mod3-cp16.pdf> (Income Tax Authorities)
- <https://resource.cdn.icai.org/62304bos50449-mod3-cp17.pdf> (Assessment Procedure)
- <https://resource.cdn.icai.org/62009bos50392cp10.pdf> (Filing of Returns)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 20th February 2021
- Approved in the Academic Council Meeting held on 27th March 2021

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Lab		SEMESTER - IV
Course Title : LAB-IV: TALLY ERP 9		
Course Code: 11CP43	Hours per week: 6	Credit: 4
CIA: 40 Marks	ESE: 60 Marks	Total: 100 Marks

Preamble

To enable the students to learn the basic principles of Accounting, Inventory and Taxation for practicing in computerized usage of TALLY ERP 9

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Possess required skills to create a company with accounting and inventory features.	K1, K2, K3
CO 2	Work with the well-known procedure for recording the transactions in accounting and inventory vouchers.	K1, K2, K3
CO 3	Prepare Bank reconciliation statement and debtors, creditors management	K1, K2, K3
CO 4	Examine the reports like Day Book, Trial Balance, Profit & Loss Account, Income and Expenditure Account, Balance Sheet & Printing option	K1, K2, K3
CO 5	Examine the legal aspects of GST and Income Tax calculations.	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**LIST OF PRACTICAL LAB EXERCISES**

Lab - 1: Fundamentals of Accounting: Introduction – Accounting Terms – Accounting Principles – Concepts – Conventions – Double Entry System – Types of Accounts – Golden Rules of Accounting – Source Documents – Recording of Business Transactions – Ledger – Trial Balance – Subsidiary Books – Financial Statements.

Introduction of Tally ERP 9: Introduction – Getting Started with Tally ERP 9 – Mouse and Keyboard Conventions – Creation of Company – Shut a Company – Select a Company - Alter a Company –Delete a Company – Company Features (F11) – Configuration (F12) – Ledger Creation – Single Ledger Creation – Multiple Ledger Creation – Altering and Display of Ledger - Deleting Ledger – Group Creation – Single Group Creation – Multiple Group Creation – Altering and Display of Ledger Deleting Groups - Learning Shortcut Keys.

Lab – 2: Fundamentals of Inventory Management: Introduction –Inventory Management – Terms Used in Inventory Management – Inventory Valuation – Inventory Masters in Tally ERP 9 – Creating Inventory Master – Creation of Stock Group – Unit of Measurement - Stock Items – Creation of Godown – Defining of Stock Opening Balance - Learning Shortcut Keys.

Lab – 3: Recording of Day-to-Day Transactions: Introduction –Business Transactions – Recording Transactions in Tally ERP 9 - Accounting Vouchers – Receipt Voucher – Contra Voucher – Payment Voucher – Purchase Voucher – Sales Voucher – Debit Note Voucher – Credits Note Voucher – Journal Voucher – Creation of New Vouchers – Non-Accounting Voucher – Recording Provisional Entries.

Recording Inventory Voucher: Receipt Note Voucher – Delivery Note Voucher – Rejection in Voucher – Rejection Out Voucher – Stock Journal Voucher – Physical Verification of Stocks. Learning Shortcut Keys.

Lab - 4: Account Receivable and Payable Management: Introduction – Accounts Payable and Receivable – Maintaining Bill-wise Details – Activation of Marinating Bill-wise Details Feature – New Reference – Against Reference – Advance Reference – On Account – Credits Limit – Payment Performance of Debtors – Changing Financial Year in Tally ERP 9 - Learning Shortcut Keys.

Lab - 5: Banking: Introduction – Banking Payments – Setting up Banking Features – Cheque Management – Cheque Printing – Cheque Register – Bank Reconciliation Statement - Learning Shortcut Keys.

Lab - 6: Allocation and Tracking of Expenses and Incomes: Introduction - Cost Centre and Cost Categories – Automation of Cost Centres and Cost Categories – Cost Centre Report - Learning Shortcut Keys.

MIS Reports: Introduction – Types of MIS Report in Tally ERP 9 – Trial Balance – Balance Sheet – Profit and Loss Account - Cash Flow Statement – Fund Flow Statement – Ratio Analysis – Day Book - Receipts and Payment – Purchase Register – Sales Register – Bills Receivables and Payable – Inventory Reports – Stock Summary – Stock Transfer - Learning Shortcut Keys.

Lab - 7: Getting Started with GST: Introduction - Enabling GST and Defining Tax Details – Transferring Input Tax Credits to GST – Intrastate Supply of Goods – Interstate Supply of Goods Return of Goods – Supply Inclusive of Tax – Defining Tax Rates at Master and Transactions Levels - GST Reports – Input Tax Credits Set Off – GST Tax Payment – Exporting GSTR-1 Return and Uploading in GST Portal – Exempted Goods – Accounting of Supply of Services – Exempted Services - Learning Shortcut Keys.

Lab - 8: Tax Deducted at Source (TDS): Introduction – Basic Concepts of TDS – TDS Process – TDS in Tally ERP 9 – Activation of TDS Feature in Tally ERP 9 – TDS Statutory Masters – Configuring TDS at Group Level – Configuring TDS at Ledger Level – Recording Transactions – TDS Reports - Learning Shortcut Keys.

Lab - 9: Tax Collected at Source (TCS): Introduction – Basic Concepts of TCS – Configuring Tally ERP 9 for TCS – Enabling TCS in Tally ERP 9 – Sales of TCS Goods at Lower Rate – Sales of TCS Goods at Nil Rate – TCS Report - Learning Shortcut Keys.

Lab - 10: Payroll, Income Tax, HR (Payroll): Introduction – Feature of Payroll –Activating Payroll – Processing Basic Payroll in Tally ERP 9 – Employee Setup – Creation of Payroll Units Attendance/ Production Types – Creation of Pay Heads – Payroll Reports – Income Tax – Employee Setup – Income Tax Pay Head Creation and Defining Salary – Provide Income Tax Details – Income Tax Reports - Learning Shortcut Keys.

Text Book

1. Tally Education Pvt. Ltd, “Tally.ERP 9 - Tally PRO Vol-1” Sahaj Enterprise, Bengaluru, India, 2018.
2. Tally Education Pvt. Ltd, “Tally.ERP 9 - Tally PRO Vol-2” Sahaj Enterprise, Bengaluru, India, 2018.
3. Tally Education Pvt. Ltd, “Tally.ERP 9 - Tally GURU Vol-1” Sahaj Enterprise, Bengaluru, India, 2018.
4. Tally Education Pvt. Ltd, “Tally.ERP 9 - Tally GURU Vol-2” Sahaj Enterprise, Bengaluru, India, 2018.
5. Tally Education Pvt. Ltd, “GST using Tally.ERP 9” Sahaj Enterprise, Bengaluru, India, 2018.
6. Tally Education Pvt. Ltd, “Tally.ERP 9 - Tally ACE” Sahaj Enterprise, Bengaluru, India, 2018.

Reference Books

1. SoumyaRanjanBehera, “Learn Tally.ERP 9 with GST”,B.K.Publications Pvt. Ltd, 2017.
2. Shraddha Singh and NavneetMehra“Tally ERP 9 (Power of Simplicity): Software for Business and Accounts”, V&S Publishers, 2017
3. Parag Joshi, “Tally .ERP 9 with GST with Solved Problems” DnyansankoolPrakashan,2017
4. Asok K. Nadhani, “Tally ERP 9 Training Guide” BPB Publications, 2018
- 5.Tally ERP 9, Tally Solutions Pvt. Ltd., Bangalore, 2017.

E-Resources

- 1.<https://neerajthakur645.files.wordpress.com/2015/07/tally-erp-9-tutorial.pdf> (Learning Tally.ERP 9 - Vol 1.book)
- 2.https://www.youtube.com/watch?v=V_JLhAf7NZ8 (Introduction to Tally ERP 9)
- 3.<https://www.youtube.com/watch?v=10G4hXM2X8c> (How to Create User Security Control)
- 4.<https://www.youtube.com/watch?v=t2PQWH8KOYg> (Basic Accounting Concepts)
- 5.<https://www.youtube.com/watch?v=2-0Tq7J722U> (Basic Accounts and Journal Entries)
- 6.<https://www.youtube.com/watch?v=qp4t1i4aFd0> (How to Create Ledger Creation in Tally ERP 9)
- 7.<https://www.youtube.com/watch?v=6RTtjSgKqfc> (How to Create Single or Multiple Ledger)
- 8.https://www.youtube.com/watch?v=W0CtR_8kUO8 (Tally ERP Group & Sub Groups Creation)
- 9.<https://www.youtube.com/watch?v=Aa60LB2Nuq8> (Accounting Vouchers in Tally ERP 9)

10. <https://www.youtube.com/watch?v=8oSJ30RHNJ4> (Tally Voucher Alteration Delete Reports)
11. <https://www.youtube.com/watch?v=wfY4nRoOS1Q> (Voucher Creation with Example in Tally ERP 9)
12. <https://www.youtube.com/watch?v=RzpDWhf0EnE> (Inventory in Tally ERP 9)
13. https://www.youtube.com/watch?v=8_K_H9puhiE (How to Create Stock Items & Godown in Tally ERP)
14. <https://www.youtube.com/watch?v=RzpDWhf0EnE&t=116s> (Inventory in Tally ERP9)
15. <https://www.youtube.com/watch?v=Ed0QgQ4-XPY> (Inventory Vouchers)
16. <https://www.youtube.com/watch?v=dwt0zjFtKpE> (Bill wise Detail in Tally ERP 9)
17. <https://www.youtube.com/watch?v=ln2az5D1OVg> (How to Prepare Trial Balance and Trading & Profit Loss Account)
18. <https://www.youtube.com/watch?v=9ja-7WPRPFI> (How To Do Bank Reconciliation Statement)
19. <https://www.youtube.com/watch?v=rcIBzKEwhRo> (Payroll in Tally ERP 9)
20. <https://www.youtube.com/watch?v=xwpJ5QX9WEU> (Tally ERP 9 Complete Tutorial)
21. <https://www.youtube.com/watch?v=8JAE0JyhHtQ> (GST With Tally ERP 9)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Allied Theory		SEMESTER - IV
Course Title : BUSINESS STATISTICS		
Course Code: 11AT41	Hours per week: 6	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To provide basic knowledge and impart skill in the application of various statistical techniques

Course Outcomes:

After the completion of the course, students will be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Explain the characteristics of Statistics and collection, classification and presentation of statistical data	K1, K2, K3
CO 2	Compute the various measures of central tendency	K1, K2, K3
CO 3	Calculate the various measures of dispersion and correlation coefficient	K1, K2, K3
CO 4	Apply the various components of time series.	K1, K2, K3
CO 5	Construct the various index numbers	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT-I****[18 Hours]**

Meaning and Definition of Statistics, Characteristics and Limitations - Methods of Collection of data – Presentation of Data, Primary and Secondary data – Classification and Tabulation of statistical data – Diagrams and Graphs - Types and Uses of diagram.

UNIT-II**[18 Hours]**

Measures of Central Tendency – Mean – Median – Mode – Quartiles – Deciles – Geometric Mean – Harmonic Mean – Weighted Average Mean.

UNIT-III**[18 Hours]**

Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Lorenz Curve – Measures of Skewness - Correlation Analysis – Karl Pearson's Coefficient of Correlation – Spearman's Rank Correlation – Simple Regression Analysis.

UNIT-IV**[18 Hours]**

Analysis of Time Series – Components of Time Series – Methods of estimating Trend – Semi – Average Method – Moving Average Method – Method of Least Square.

UNIT-V**[18 Hours]**

Index Numbers – Meaning – Utility – Methods – Construction of Wholesale Index Number – Unweighted Index Number – Simple Aggregative Method – Average of Price Relatives Method – Weighted Index Number – Weighted Average of Price Relatives – Weighted Aggregative Index Number – Mathematical Test of Consistency for Index Numbers – Time Reversal Test – Factor Reversal Test.

Text Book

R.S.N. Pillai and Bagavathi., "Statistics", S.Chand & Co., New Delhi, 2013.

Reference Books

1. Gupta S.P., "Statistical Methods", Sultan Chand & Sons, New Delhi, 2013.
2. Vittal P.R., "Business Statistics", Margham Publications, Chennai, 2013.
3. Gupta, S.C. and Kapoor., V.K., "Fundamentals of Applied Statistics", Sultan Chand and Sons Publishers, New Delhi, 2013.
4. Dr. B.N. Gupta, "Business Statistics" SBPD Publications, 2018.
5. T.R. Jain & S.C Agarwal, "Business Statistics and Mathematics" V.K. Global Publications Pvt. Ltd. 2020.

E-Resources

1. <http://www.ddegjust.ac.in/studymaterial/mcom/mc-106.pdf> (Introduction of Statistics)
2. <http://kamarajcollege.ac.in/Department/Commerce/II%20Year/002%20Core%206%20-%20Business%20Statistics%20-%20III%20Sem.pdf> (Measures of central tendency)
3. [https://gurukpo.com/Content/B.Com/Business_Statistics\(B.Com\)P-1.pdf](https://gurukpo.com/Content/B.Com/Business_Statistics(B.Com)P-1.pdf)(Correlation and regression)
4. <https://london.ac.uk/sites/default/files/study-guides/study-guide-business-admin-business-statistics.pdf> (Time Series)
5. http://www.crectirupati.com/sites/default/files/lecture_notes/BS_%20lecture%20notes.pdf (Index Number)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

Pedagogy:

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2021-22 and after)

Part-III: Skill Based Course		SEMESTER - IV
Course Title: E-COMMERCE		
Course Code: 11SB41	Hours per week: 2	Credits: 2
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To help students to gain practical knowledge on Information and communication Technology in business.

Course Outcomes (COs)

After the completion of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Remember the basics of Internet.	K1, K2, K3
CO 2	Discuss the knowledge of e-commerce, its types, merits and demerits.	K1, K2, K3
CO 3	Explain the infrastructure for e-commerce.	K1, K2, K3
CO 4	Examine the Applications of EDI to Business.	K1, K2, K3
CO 5	Evaluate the various methods of e-payment system.	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT-I****[6 Hours]**

Introduction to Internet: Origin of Internet – Uses of Internet – Hardware and Software Requirements for Internet – Internet Addressing System – Internet Retrieval Tools - Facilities in Internet – Internet Terminology-WWW (World Wide Web) – Benefits of WWW – WWW and its Related Definitions- E-Mail.

UNIT-II**[6 Hours]**

Introduction to Electronic Commerce: Meaning and Definition of E-Commerce – Origin of E-commerce - Benefits of E-Commerce – Limitations of E-Commerce – Difference between Traditional Commerce and Electronic Commerce – Classifications of E-Commerce

UNIT-III**[6 Hours]**

Elements of Electronic Commerce Framework: Network Infrastructure – Information and Distribution Technology – Networked Multimedia Content Publishing Technology – Security and Encryption – Payment Services – Business Services Infrastructure – Public Policy and Legal Infrastructure

UNIT-IV**[6 Hours]**

Electronic Data Interchange (EDI): Definition of EDI – EDI Applications to Business – EDI: Legal, Security and Privacy Issues - EDI software implementation- Internal Information System- supply chain Management (SCM)

UNIT-V**[6 Hours]**

Electronic Payment System: Online Payment Basics – Types – Designing EPS – different types of Payment cards (Credits, Debit and Charge Cards) – Electronic Cash – Electronic Wallets – Stored Value Cards.

Text Book

Abirami Devi K., Alagammai M., “E-Commerce”, Margham Publications, 2012.

Reference Books

1. Bharat Bhasker, “**Electronic Commerce: Framework, Technologies and Applications**”, Tata McGraw-hill Publishing Company Limited, New Delhi, 2011
2. P.T.Joseph, “**E.Commerce**” PHI learning private Ltd., New Delhi- 2012
3. Manta bhusry, “**E.Commerce**” Firewall media New Delhi- 2014.

4- E-Commerce Dr. Milind & M. Oka & Verest, Publication House, 2015.

5- E-Business & E.Commerce Dave Chaffey Publication Pearson 2013.

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

E-Resources

<https://www.pdfdrive.com/introduction-to-the-internet-and-world-wide-web-e58061347.html>

(Introduction to Internet)

<https://resource.cdn.icaai.org/62081bosinterp7-seca-cp4.pdf> (E-commerce, Emerging Technologies)

https://www.youtube.com/watch?v=LtybBfbjE_8 (E-Commerce)

<https://www.pdfdrive.com/e-commerce-e33510767.html> (*Electronic Data Interchange*)

<https://www.pdfdrive.com/electronic-payment-systems-for-e-commerce-e185954385.html>

(Electronic Payment System)

https://www.youtube.com/watch?v=XE2whTp_pNo - (Elements of Electronic Commerce Framework)

Pedagogy:

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 20th February 2021
- Approved in the Academic Council Meeting held on 27th March 2021

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - V
Course Title : COST ACCOUNTING		
Course Code: 11CT51	Hours per week: 8	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enable the students to acquire the basic knowledge about the estimation of cost and cost per unit through various methods and techniques of costing.

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Recall the various concepts and elements of cost.	K1, K2, K3
CO 2	Summarise the purchasing procedure and various methods of issuing materials.	K1, K2, K3
CO 3	Apply the skills to Allocate, Apportion and Absorption of the overhead charges.	K1, K2, K3
CO 4	Familiarize the various methods of Job and Contract costing.	K1, K2, K3
CO 5	Compute the cost through Process Costing.	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT-I****[18 Hours]**

Costing: Definition of Costing – Objects and Advantages of Costing – Differences between Cost Accounting and Financial Accounting – Installation of a Costing System – Classification of Cost – Elements of Cost – Preparation of Cost Sheet.

UNIT-II**[18 Hours]**

Material: Purchase Procedure – Methods of Pricing Material Issues – Economic Order Quantity – Inventory Control – Stock Levels – Stock Turnover – Ratio – ABC Analysis.

Labour: Time Keeping and Pay Roll Accounting – Methods of Wage Payment – Treatment of Overtime, Bonus, Holiday Pay and Idle Time – Labour Turnover Ratio.

UNIT-III**[18 Hours]**

Overheads : Classification - Production Overhead – Allocation and Apportionment – Primary and Secondary including Inter Departmental Transfers – Methods of Absorption – Under Absorption and Over Absorption of Overheads – Control of Administrative, Selling and Distribution Overhead - Reconciliation of Cost and Financial Books.

UNIT-IV**[18 Hours]**

Job Costing and Contract Costing.

UNIT-V**[18 Hours]**

Process Costing – Normal Loss, Abnormal Loss and Abnormal Gain.

Text Book

Reddy T.S. & Hari Prasad Reddy Y., “**Cost Accounting**”, Margham Publications, Chennai, 2014.

Reference Books

1. S.P.Jain and Narang, “**Cost Accounting**”, Kalyani Publishers, New Delhi. 2013.
2. S.N.Maheswari, “**Principles of Cost Accounting**”, Sultan Chand & sons, New Delhi, 2013.
3. R.S.N. Pillai and V. Bagavathi, “**Cost Accounting**”, S. Chand and Company Ltd., New Delhi. 2012.
4. Cost & Management accounting CA B. Saravana Prasath Commercial Law publications (India) Pvt. Ltd.
5. Cost Accounting Prof M.L. Agarwal & Dr. K.L. Gupta Sahiya Bhawan Publication Edition 46th 2018.

E-Resources

1. <https://resource.cdn.icai.org/62021bos50397cp1.pdf> (Introduction to Cost Accounting)
2. <https://resource.cdn.icai.org/62026bos50397cp6.pdf> (Cost Sheet)
3. <https://resource.cdn.icai.org/62027bos50397cp7.pdf> (Cost Accounting System)
4. <https://resource.cdn.icai.org/62022bos50397cp2.pdf> (Material Cost)
5. <https://resource.cdn.icai.org/62023bos50397cp3.pdf> (Labour Cost)
6. <https://resource.cdn.icai.org/62024bos50397cp4.pdf> (Overhead Absorption Cost)
7. <https://resource.cdn.icai.org/62029bos50397cp9.pdf> (Job Costing and Contract Costing)
8. <https://resource.cdn.icai.org/62030bos50397cp10.pdf> (Process & Operation Costing)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

Pedagogy:

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)
(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - V
Course Title : GOODS AND SERVICES TAX LAW		
Course Code: 11CT52	Hours per week: 6	Credit: 4
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

- To enable the students to acquire the basic knowledge about the implementation of various provisions of GST Act 2017.

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcomes(CO _s)	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Recollect the provisions of GST Law & Practice	K1, K2, K3
CO 2	Apply the provisions regarding Levy of and Exemption from GST	K1, K2, K3
CO 3	Initiate the procedure for registration of dealers and claim Input Tax Credits under GST	K1, K2, K3
CO 4	Fill and file the various returns for dealers under GST	K1, K2, K3
CO 5	Make the payment of GST, claim refund of GST and maintain accounts under GST.	K1, K2, K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Syllabus

UNIT-I

Introduction to GST: Short Title, Extent and Evolution of GST, Definitions, Meaning, Why GST and Scope of Supply – Structure of GST – Why is Dual GST Required – Highlights of GST - How GST does Eliminate Tax on Tax.

Administration: Classes of officers under the Central Goods and Services Tax Act and State Goods and Services Tax Act - Appointment of officers under the Central Goods and Services Tax Act and State Goods and Services Tax Act - Powers of officers under the Central Goods and Services Tax Act and State Goods and Services Tax Act. **(18 Hours)**

UNIT-II

Levy of and Exemption from Tax: Tax Rate Structure - Levy and Collection of Central/State Goods and Services Tax - Composition Levy - Taxable person - Power to grant exemption from tax.

Time, Value and Place of Supply: Time of supply of goods - Time of supply of services - Change in rate of tax in respect of supply of goods or services - Value of taxable supply. **(18 Hours)**

UNIT-III

Input Tax Credits: Eligibility and conditions for taking input tax Credits - Apportionment of Credits and blocked Credits - Availability of Credits in special circumstances - Recovery of Input Tax Credits and Interest thereon - Taking input tax Credits in respect of inputs sent for job work - Manner of distribution of Credits by Input Service Distributor - Manner of recovery of Credits distributed in excess.

Registration: Registration - Registration Forms and Process - Special provisions relating to casual taxable person and non-resident taxable person - Amendment of registration - Cancellation of registration - Revocation of cancellation of registration. **(18 Hours)**

UNIT-IV

Tax Invoice, Credits and Debit Notes: Tax invoice - Tax not to be collected by unregistered taxable person - Amount of tax to be indicated in tax invoice and other documents - Credits and debit notes.

Returns: Furnishing details of outward supplies - Furnishing details of inward supplies - Returns - First Return - Claim of input tax Credits and provisional acceptance thereof - Matching, reversal and reclaim of input tax Credits - Matching, reversal and reclaim of reduction in output tax liability - Annual return - Final return - Notice to return defaulters - Levy of late fee - Tax Return Preparers. **(18 Hours)**

UNIT-V

Payment of Tax: Payment of tax, interest, penalty and other amounts - Interest on delayed payment of tax - Tax deduction at source - Transfer of input tax Credits.

Refunds: Refund of Tax - Refund in certain cases - Interest on delayed refunds - Consumer Welfare Fund - Utilization of the Fund. **(18 Hours)**

Accounts and Records: Accounts and other records - Period of retention of accounts.

Text Book:(Current Edition)

1. S.S. GUPTA and V.S. DATEY., “GUIDE TO NEW MODEL GST LAW”, Taxmann Publication Pvt Ltd, New Delhi.

Reference Books (Current Edition)

1. S.S.Gupta, “GST Law & Practice”, Taxmann Publication Pvt Ltd, New Delhi.
2. V.S.DATEY., “ALL About GST”, Taxmann Publication Pvt Ltd, New Delhi.

E-Resources

- 1.<https://resource.cdn.icai.org/62131bos071220-cp1.pdf> (Introduction to GST)
- 2.<https://resource.cdn.icai.org/62132bos071220-cp2.pdf> (Supply)
- 2.<https://resource.cdn.icai.org/62133bos071220-cp3.pdf> (Charges)
- 4.<https://resource.cdn.icai.org/62134bos071220-cp4.pdf> (Exemptions)
- 5.<https://resource.cdn.icai.org/62135bos071220-cp5u1.pdf> (Time of Supply)
- 6.<https://resource.cdn.icai.org/62374bos091220.pdf> (Value of Supply)
- 7.<https://resource.cdn.icai.org/62013bos50394cp6.pdf> (Input Tax Credit)
- 8.<https://resource.cdn.icai.org/62014bos50394cp7.pdf> (Registration)
- 9.<https://resource.cdn.icai.org/62015bos50394cp8.pdf> (Tax Invoice)
- 10.<https://resource.cdn.icai.org/62016bos50394cp9.pdf> (Payment of Tax)
- 11.<https://resource.cdn.icai.org/62017bos50394cp10.pdf> (Returns)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Pedagogy:

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Lab		SEMESTER - V
Course Title : VISUAL BASIC		
Course Code: 11CP53	Hours per week: 6	Credit: 4
CIA: 40 Marks	ESE: 60 Marks	Total: 100 Marks

Preamble

- To enable the students to acquire the basic knowledge about the Visual Basic Properties and Commands

Course Outcomes

At the end of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Define Visual Basic concepts and properties	K1, K2, K3
CO 2	Create Visual Basic forms with using properties	K1, K2, K3
CO 3	Draft Visual Basic forms with using functions	K1, K2, K3
CO 4	Prepare Visual Basic forms with using control array and tools	K1, K2, K3
CO 5	Design Visual Basic forms with using graphics and control system	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT: I**

Starting a new project -The properties of window -common form properties -Scale properties -Color properties -Making a form responsive -Printing a visual representation of a form -Types -Creating stand-alone windows programs -The tool box -Creating Controls -The name (Control Name) Property - Properties of command buttons -Simple event procedures for command buttons -Access Keys -Image Controls -Text Boxes -labels -Navigating between controls -Message boxes -The Grid -The ASCII representation of forms.

UNIT: II

Statements in Visual Basic -Variables -Setting properties with code -data Types -Working with variables -More on strings -More on numbers -Constants -Input Boxes -Displaying information on a form -The format function -Picture boxes -Rich Text Boxes -The Printer Object -Determining loops - Indeterminate loops -Making decisions -Select case -Nested If-Then's The Go To -String Functions - Numeric functions -Date and Time functions -financial functions.

UNIT: III

Function procedures -sub procedures -Advanced uses or producers and functions using the Object Browser to Navigate among your subprograms -List: One-dimensional arrays -Arrays with more than one dimension -Using Lists and Arrays with functions and procedures -The new array-based string -Records (User-Defined Types).

UNIT: IV

The With Statement -Enums -Control arrays -list and Combo Boxes -The Flex grid control -Code Modules: global Procedures -The Do Events Function and Sub Main -Accessing Windows functions -Error Trapping -Creating an Object in Visual Basic -Building your own classes.

UNIT: V

Fundamentals of graphics -Screen Scales -The line and shape controls -Graphics via code -Lines and Boxes -Circles, Ellipses, and Pie Charts. The Mouse even procedures -Dragging and dropping operations - File commands -Sequential files -Random access files -Binary files -Sharing files -File System Controls - The file system objects -The Clip Board -Running another windows programs from within.

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Experience Discussion, Brain storming, Activity, Case Study, Green Board, LCD Projector, Interactive White Board

Text Book

Gray Cornell, "VISUAL BASIC 6 from the GROUND UP", Tata McGraw Hill Edition, 2017.

Reference Books

1. Peter Norton's & Michael Groh, "Guide to Visual Basic 6 Techmedia", 1998.
2. Paul Sheriff, "Visual Basic", PHI -1999.
3. EvangelusPetroutsos, "Mastering Visual Basic 6", BPB Puhlnata.4.David lung and Jeff Kent, "Visual Basic", Annotated archives TMH, 1999
4. Steve Holzner, "Visual Basic 6" Coriolis Group, 1998.
5. Csybex, "Mastering Visual Basic 6", A Wiley, 2019.

E-Resources

1. <https://youtu.be/hfqqRUAXCC0> - Starting a new project
2. <https://youtu.be/zvCtbrCJzGA> - Visual Basic forms with using properties
3. https://youtu.be/-j-S_AU3pQY - Function procedures in VB
4. <https://youtu.be/M68iTntVw9w> - The With Statement in VB
5. <https://youtu.be/bL03PrGt8WY> - Student Profile Using Visual Basic 6.0 and Ms Access database
6. <https://youtu.be/hlJjfY17BHs> - Create Stop Watch using Visual Basic 6

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	M	S
CO2	S	S	M	S	M
CO3	S	S	S	M	S
CO4	S	M	S	L	S
CO5	M	S	S	S	S

S-Strong

M-Medium

L-Low

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - V
Course Title : JAVA PROGRAMMING		
Course Code: 11EP5A	Hours per week: 6	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enlighten the students know indepth knowledge about the concepts, data types and to enable the students to write programs using Java Programming.

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO1	Define the basic concepts of Object oriented programming	K1,K2,K3
CO2	Describe the Class fundamental and its objects	K1,K2,K3
CO3	Explain use of Inheritance and Exception handling	K1,K2,K3
CO4	Describe the importance of Multithreaded programming	K1,K2,K3
CO5	Explain the concept of String handling methods	K1,K2,K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT: I****(15 Hours)**

An overview of Java: Object oriented programming - Two control statements - Using blocks of code - Lexical issues - The java class libraries - Data types variables and arrays: The simple types – Integers - Floating point types – Characters – Booleans - A closer look at literals – Variables - Type conversion and casting - Automatic type promotion in expressions – Arrays. Operators: Arithmetic operators - The bitwise operators - Relational operators - Boolean logical operators - The assignment operator - The operator precedence - Using parentheses. Control statements: Java selection statement - Iteration statement - Jump statement.

UNIT: II**(15 Hours)**

Introducing classes: Class fundamentals - declaring objects-assigning objects reference variables-introducing methods-constructors-the this key word-garbage collection-the finalize () method. A closer look at method and classes: Overloading methods-using objects as parameters-a closer look at argument passing-returning objects-recursion-introducing access control-understanding static-introducing final-arrays revisited-introducing nested and inner classes-exploring the string class-using command-line argument.

UNIT: III**(15 Hours)**

Inheritance: Inheritance basics-using super-creating a multilevel hierarchy-when constructor are called-method overriding-dynamic method dispatch-using abstract classes-using final with inheritance-the object class. Packages and interfaces: Packages-access production-importing packages-interfaces. Exception handling: Exception handling fundamentals-expression types-uncaught exceptions-using try and catch-multiple catch clauses-nested try statement-throw-throws-finally-java's built-in expressions-creating your own exception subclasses-using exceptions.

UNIT: IV**(15 Hours)**

Multithreaded programming: The java thread model-the main thread-creating a thread-creating multiple threads-using is alive () and join ()-thread priorities-synchronization-inter thread communication-suspending, resuming and stopping thread- using multithreading. I/O applets and other topics:

UNIT: V**(15 Hours)**

String handling: The string constructors-string lengths-special string operators-character extraction-string comparison-searching strings-modifying a string-data conversion using value of ()-changing the case of characters within a string-string buffer

Text Book

Patrick Naughton & Herbert Schidt, “The complete reference of Java 2”, Tata McGraw Hill P Ltd. ND, 2012.

Reference Books

1. Balagurusamy(E), “Programming with JAVA”, Tata McGraw Hill P Ltd. ND, 2008.
2. S. Horstmann, Garucornell, “Core java volume II Advanced features”, Climatic Press, First Edition 2000.
3. Vardtanpiromian, “Java GUI development”, Climatic Press, First Edition 2000.
4. Jasonhunter, O, “Java servlet programming”, Tata McGraw Hill Publication Ltd. ND, 2008.

E-Resources

1. <https://youtu.be/WOUpj18ee4?list=PLsyeobzWx17oZ-fxDYkOToURHhMuWD1BK> – Introduction to Java
2. https://youtu.be/Q_GpaMhc-dU - Classes
3. <https://youtu.be/LUh-zDM0tzY> - Inheritance
4. <https://youtu.be/OJZrkoR7i88> - Packages
5. <https://youtu.be/82pwIB8Rv2w> - Multithreading and Thread Life Cycle
6. https://youtu.be/ZvvKM7_x4I4 - String Handling
7. <https://youtu.be/YEzX3l6PXCK> - Applet
8. <https://youtu.be/5Zpqy71UACg?list=PLLOxZwkBK52BaOQCJrVvkc97uzeMsx9TT> - Java Tutorial
9. <https://youtu.be/WOUpj18ee4?list=PLsyeobzWx17oZ-fxDYkOToURHhMuWD1BK> -Java Tutorial

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Programming writing, Debugging, Mini Projects, Green Board, LCD Projector, Interactive White Board.

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications) (Under CBCS and LOCF)
(For those students admitted during the Academic Year 2018-19 and after)

Part-III: Elective Course		SEMESTER - V
Course Title: ENTERPRISE RESOURCE PLANNING		
Course Code: 11EP5B	Hours per week: 6	Credits: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To provide the concepts and principles of ERP, ERP Technologies and Role of enterprise.

Course Outcomes (COs)

After the completion of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Know the concepts of Enterprise, ERP Planning and its Benefits	K1, K2, K3
CO 2	Explain the various aspects of Enterprise Resource Planning and its technologies	K1, K2, K3
CO 3	Understand the provisions human resource planning models and its effect of implementation.	K1, K2, K3
CO 4	Know the Life cycle ERP and role of vendors.	K1, K2, K3
CO 5	Understand the various ingredients of ERM Models	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****Unit I: Enterprise:**

Enterprise- meaning- need for change – Role of enterprise – Enterprise Resource Planning – Reasons for the growth - Benefits of ERP.

Unit II: Enterprise Resource Planning Technologies:

Enterprise Resource Planning and related technologies - BPR: evolution and different phases. Data Warehousing: components, structure and advantages . Data mining
Evolution – technologies – advantages . OLAP: rules and uses . Supply chain management: needs and advantages.

Unit III: Enterprise Resource Planning Models:

Finance- Manufacturing – Human Resource- Plant maintenance- Materials management – Quality management - Sales and distribution.

Unit IV: Enterprises Resource Management Implementation:

Life cycle- Implementation methodology – Hidden cost- Role of vendors, consultants and users - Post – Implementation effects.

Unit V: Enterprises Resource Management Market:

Factors responsible for growth – Important vendors- Future of Enterprises Resource Management.

Text Book

Alexis Leon, Enterprises Resource management, Tata McGraw- Hill Publishing Company Ltd, New Delhi.

Reference Books

1. Mary Sumner, Enterprises Resource management, Dorling Kindersley Publishing Company Ltd, New Delhi.
2. Daniel E. O'Leary, Enterprises Resource Systems: Systems, Life Cycle, Cambridge University Press Publishing Company Ltd, New Delhi. 2020
3. Marian Bradford, Modern ERP, LuLu.Com, 2015
4. Ellen Monk, Concepts in Enterprises Resource Planning, Himalaya Publishing House, New Delhi, 2020.

E-Resources

<https://image.slidesharecdn.com/erpb-151201173632-1va1-app6892/95/enterprise-resource-planning-best-ppt-1-638.jpg?cb=1448992898>

<https://www.slideshare.net/SiddharthModi1/complete-knowledge-of-enterprise-resource-planning-best-ppt>

<https://www.slideshare.net/amits797/enterprise-resource-planning-8543664>

<https://www.powershow.com/view/3adc78->

[MTJjZ/Introduction to Enterprise Resource Planning ERP powerpoint ppt presentation](#)

https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiO7pCo4MDwAhXOXsKHS5KDH8QFjADegQIBBAD&url=https%3A%2F%2Fwww.cpp.edu%2F~raguthrie%2FCIS310%2Fppts%2FISBB_Chapter8.pptx&usg=AOvVaw2AWtvgQJkYzDhSstj8B4pP

[XOXsKHS5KDH8QFjADegQIBBAD&url=https%3A%2F%2Fwww.cpp.edu%2F~raguthrie%2FCIS310%2Fppts%2FISBB_Chapter8.pptx&usg=AOvVaw2AWtvgQJkYzDhSstj8B4pP](#)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	L	S

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Green Board, LCD Projector, Interactive White Board.

- Passed in the Board of Studies Meeting held on 31th August 2019
- Approved in the Academic Council Meeting held on 22nd June 2020

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – IV : Skill Based Theory		SEMESTER - V
Course Title : COMMERCE FOR COMPETITIVE EXAMINATIONS		
Course Code: 11SB51	Hours per week: 2	Credit: 2
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To create awareness among the Student, about the fundamentals of various competitive examinations.

Course Outcomes:

At the end of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Solve the problems on a Time & Distance, Trains, interest calculation, Areas, Calendar Clocks, Stocks & Shares and Odd Man Out & Series.	K1, K2, K3
CO 2	Discuss the procedure for solving problems on verbal and non-verbal reasoning.	K1, K2, K3
CO 3	Explain the various issues in marketing and banking.	K1, K2, K3
CO 4	Analyze the various applications of information and computer technology.	K1, K2, K3
CO 5	Describe the general knowledge on history, geography, constitution, science and Technology.	K1, K2, K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT: I****(6 Hours)**

Verbal Reasoning: Alphabet test-Mathematical operations test-Series test -Odd Man out – Classification -Blood relations -Number, ranking and time sequence -Direction sense test -Sitting arrangement -Decision making.

UNIT: II:**(6 Hours)**

Non-Verbal Reasoning: Series test –Analogy -Odd figures -Miscellaneous tests.

UNIT: III**(6Hours)**

Quantitative Aptitude: Number system, HCF & LCM -Number series -Decimal fractions -Square root and cube root –Simplifications –Partnerships –Percentage -Ratio and proportions, Average & Ages Ratio & Proportion -Profit and loss -Simple interest and compound interest

UNIT: IV**(6 Hours)**

General Awareness: Indian Economy -International Economy -Books & Their Authors -Banking Terms –RBI -Fiscal Monetary Policies etc. -Social 58Function of Banks -UNO, Marketing -Awards & Honors Sports -Finance -Agriculture etc.

UNIT: V**(6 Hours)**

Computer: Basic computer terminology -Software & Hardware questions -Computer abbreviation -Microsoft-office -Basic knowledge of Internet use etc.

Text Book

Materials Prepared bythe Department of Commerce (CA).

Reference Books

1. IBPS Common written examination, unique publishers, New Delhi, 2015.
2. IBPS CWE-V, Kiran Institute of Career Excellence Pvt.Ltd.,New Delhi, 2015
3. ArchanaJaiswal,“Text Book of Quickest Mathematics”, KiranPrakashanPvt.Ltd, New Delhi, 2013.

E-Resources

1. <https://youtu.be/21OCUfZLIY> - Verbal Reasoning
2. <https://youtu.be/wwN3mJ-b4FY> - Logical Reasoning
3. <https://youtu.be/t7zRboobwAA> - Non-Verbal Reasoning
4. <https://youtu.be/tnc9ojITRg4?list=PLpyc33gOcbVA4qXMoQ5vmhefTruk5t9It> - Quantitative Aptitude
5. <https://youtu.be/ibhrLtbyDR0> - General Awareness
6. <https://youtu.be/01QBAKq9Pp8> - Computer Awareness

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

SEMESTER – V
(For those who joined in June 2018 and after)

Part – IV : Common Course Theory		
Course Title : ENVIRONMENTAL STUDIES		
Course Code: ESUG51	Hours per week: 2	Credit: 2
CIA: 25 Marks	ESE: 75 Marks	Total Marks: 100

Objectives

- ❖ Disseminate information of Environment of national and international issues
- ❖ Environmental consciousness creation among the students
- ❖ Facilitation of environmental leadership among students

Syllabus

Unit-I

[6 Hours]

Introduction – Nature, scope and importance of Environmental studies – Natural Resources and conservation – forest, water and energy.

Unit-II

[6 Hours]

Ecosystem – concept – structure and function, energy flow, food chain, food web and ecological pyramids

Unit-III

[6 Hours]

Biodiversity – definition, types – values – India, a mega diversity zone – Hotspots – Endangered and endemic species – threat to biodiversity and conservation

Unit-IV

[6 Hours]

Environmental pollution – Air pollution- causes and effect – Ozone depletion – Global warming – acid rain – Water pollution – Noise pollution – Solid waste management – Nuclear hazard

Unit-V

[6 Hours]

Human population and the environment – Population growth – variation among nations – effects of population explosion – family welfare programme – environment and human health.

Text Book

Environment studies – R.Murugesan (2009), Milleneum Pub. Madurai-16

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - VI
Course Title : AUDITING		
Course Code: 11CT61	Hours per week: 7	Credit: 4
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

Enable the students to learn the various provisions of auditing like internal control, internal check, vouching, verification and valuation of assets and liabilities and the preparation of auditing report

Course Outcomes

At the end of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Recall the Objectives, Auditor's Qualification and Disqualification, Duties, Rights, Status, Appointment and the components of audit programme.	K1, K2, K3
CO 2	Identify the system of internal control including internal check.	K1, K2, K3
CO 3	Examine the various aspects of vouchers and vouching of cash and credit transactions.	K1, K2, K3
CO 4	Evaluate the components of verification and valuation of Assets and Liabilities	K1, K2, K3
CO 5	List out the provisions of liabilities of an auditor under various circumstances.	K1, K2, K3

K₁-RememberingK₂-UnderstandingK₃-Applying**Syllabus****UNIT-I****[21 Hours]**

Auditing: Meaning – Objectives – Auditor's Qualification and Disqualification – Duties – Rights – Status – Appointment – Removal – Preliminaries before beginning of audit work.

Conduct of Audit : Audit programme – Meaning – Merits and Demerits – Audit Notes – Working papers (Preparation of Audit Programmes not required)

UNIT-II**[21 Hours]**

Internal control: Internal check – Meaning Definition – objects – Procedure of Internal check – Advantages – Duties an auditor – Internal Check in respect of Cash Book – Credit Purchases – Credit Sales Payment of wages – Closing stock.

UNIT-III**[21 Hours]**

Vouching: Meaning – Objectives – importance – voucher – Requisites of a valid voucher – Vouching of different receipts and payments – receipts from debtors, bad debts recovered, cash and credit sales-payments in respect of wages, salaries, rent, cash and credit purchases.

UNIT-IV**[21 Hours]**

Verification and valuation of Assets and Liabilities: Verification: Meaning – Valuation – Principles – Classification of assets – Fixed assets and current assets and intangible assets-classification of liabilities – Reserves & Surplus.

UNIT-V**[21 Hours]**

Liabilities of Auditor: Basis for liabilities – Civil – Criminal & Contractual Liabilities – Liabilities under I.P.C- Liabilities to Third Parties – Legal cases and their applicability – Preparation of Audit report.

Text Book

Tandon B.N., "Practical Auditing", S.Chand Publishers, New Delhi, 2013.

Reference Books

1. Tandon, B. N., S. Sudharsanam, and S. Sundharabahu., "A Handbook of Practical Auditing", S. Chand and Co. Ltd., New Delhi, 2013.
2. JagadishPrakash., " Auditing Principles, Practices and Problems", Kalyani Publishers Ltd., New Delhi, 2012

3. D.D.Sharma., “ **Auditing** ”, SahityaBhavan., New Delhi., 2013

E-Resources

1. <https://resource.cdn.icai.org/62058bos50402cp1.pdf> (Nature, Objective and Scope)
2. <https://resource.cdn.icai.org/62059bos50402cp2.pdf> (Audit Plan)
3. <https://resource.cdn.icai.org/62060bos50402cp3.pdf> (Audit Documents)
4. <https://resource.cdn.icai.org/62061bos50402cp4.pdf> (Risk Assessment)
5. <https://resource.cdn.icai.org/62062bos50402cp5.pdf> (Fraud and Responsibility)
6. <https://resource.cdn.icai.org/62063bos50402cp6.pdf> (Audit Environment)
7. <https://resource.cdn.icai.org/62064bos50402cp7.pdf> (Audit Sampling)
8. <https://resource.cdn.icai.org/62065bos50402cp8.pdf> (Procedure)
9. <https://resource.cdn.icai.org/62066bos50402cp9.pdf> (Audit Items)
10. <https://resource.cdn.icai.org/62067bos50402cp10.pdf> (Company Audit)
11. <https://resource.cdn.icai.org/62068bos50402cp11.pdf> (Audit Report)
12. <https://resource.cdn.icai.org/62069bos50402cp12.pdf> (Bank Audit)
13. <https://resource.cdn.icai.org/62070bos50402cp13.pdf> (Audit of Entities)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Core Theory		SEMESTER - VI
Course Title : MANAGEMENT ACCOUNTING		
Course Code: 11CT62	Hours per week: 6	Credit: 4
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

Enhance the students with basic knowledge about the various provisions of management accounting that are useful for managerial decision making.

Course Outcomes

At the end of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Recall the various concepts of management accounting and financial statement analysis.	K1,K2, K3
CO 2	Prepare the various statements under funds flow and cash flow analysis.	K1,K2, K3
CO 3	Evaluate the applications of marginal costing techniques.	K1,K2, K3
CO 4	Solve the problems based on standard costing techniques	K1,K2, K3
CO 5	Summarize the various budgets.	K1,K2, K3

K₁-RememberingK₂-UnderstandingK₃-Applying**Syllabus****UNIT-I****[24 Hours]**

Management Accounting: Meaning and Definitions – Nature And Scope - Functions – Limitations – Relationship Between Cost Financial And Management Accounting Of Management Accounting.

Analysis and Interpretation of Financial Statements (Theory Only) – Accounting Ratios – Meaning - Significance, Utility and Limitations - Liquidity, Profitability and Solvency Ratios.

UNIT-II**[24 Hours]**

Funds Flow and Cash Flow Analysis: (According to AS 3) – Sources of Working Capital - Estimation of Working Capital.

UNIT-III**[24 Hours]**

Marginal Costing: Meaning, Objects, Advantages, and Limitations – Break Even Analysis.

UNIT-IV**[24 Hours]**

Standard Costing and Variance Analysis – Material Variances.

UNIT-V**[24 Hours]**

Budget and Budgetary Control: Objectives; Advantages and Limitations – Master Budget – Functional Budgets, Flexible and Cash Budget – Preparation thereof.

Text Book

R.Ramachandran and R.Srinivasan., “**Management Accounting**”, Sriram Publications, Tiruchy, 2020

Reference Books

1. Reddy T.S.&Hari Prasad Reddy.Y., “**Management Accounting**”, Margham Publications, 2018.
2. Maheshwari S.N., “**Management Accounting**”, Sultan Chand & Sons, New Delhi 2019.
3. Sharma and S.K.Gupta., “**Management Accounting**”, Kalyani Publishers, New Delhi,2018.
4. Shashi K. Gupta, R.K. Sharma Neeti Gupta Manage

E-Resources

1. <https://resource.cdn.icai.org/62100bosinp8cp3.pdf> (Ratio Analysis)

2. <https://resource.cdn.icai.org/62045bos50398cp4u2.pdf> (Cash Flow Statement)
3. <https://resource.cdn.icai.org/62034bos50397cp14.pdf> (Marginal Costing)
4. <https://resource.cdn.icai.org/62033bos50397cp13.pdf> (Standard Costing)
5. <https://resource.cdn.icai.org/62035bos50397cp15.pdf> (Budget and Budgetary Control)

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong **M**-Medium **L**-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study Green Board, LCD Projector, Interactive White Board

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Elective Theory		SEMESTER - VI
Course Title : WEB DESIGNING		
Course Code: 11EP6A	Hours per week: 8	Credit: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enable the students to acquire the basic knowledge about HTML tags and Website designing Skills.

Course Outcomes

After the completion of the course, students would be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Define the basic concepts, History and generations of HTML Tags	K1,K2.K3
CO2	List out the various HTML tags and Image format	K1,K2.K3
CO3	Design the table using HTML tags	K1,K2.K3
CO4	Create frameset using frameset concepts	K1,K2.K3
CO5	Design the DHTML and Style sheets	K1,K2.K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT: I****(15 Hours)**

Introduction of Web Design: Introduction to HTML: Designing a Home Page – History of HTML – HTML Generations – HTML Documents Anchor Tag – Hyper links.

UNIT: II**(15 Hours)**

Head and Body Section: Header section – Title – Prologue – Links – Colorful Web Page background – colors – background color – text color – link colors – Comment Lines. Designing the Body Section: Heading aligning the headings – Horizontal Rule – Paragraph – Tab Settings – Images – Pictures – Embedding PNG Format images.

UNIT: III**(13 Hours)**

Ordered and Unordered Lists: Unordered lists – Heading in a list – Ordered lists – Type attribute – Nested lists. Table Handling: Tables – Table Creation in HTML – Width of the table and Cells – Cells spanning multiple rows and columns – Coloring cells – Column Specification.

UNIT: IV**(20 Hours)**

Frames: Frameset Definition – pixel unit – percentage unit – fraction unit – Frame definition – Src, name, margin, scrolling and noresize attributes – Nested Framesets.

Forms: Action attribute – method attribute – enctype attribute – Dropdown list – Check boxes – radio buttons – text field – text area – password – hidden files – submit and reset buttons.

UNIT: V**(20 Hours)**

DHTML and Style sheets: Definition – elements of styles – linking a style sheet to an HTML document – In – line styles- External style sheets – internal style sheets – multiple styles. A Web Page Design Project: Frameset Definition – animals – Birds – Fish.

Text Book:

C. Xavier – “World Wide Web Design with HTML”, Tata McGraw – Hill Edition 2013.

Reference Books

1. Thomas A. Powell, “The Complete Reference HTML & CSS”, MC Graw Hill, Fifth Edition 2017.
2. Lewis Coulson,” The HTML and CSS Workshop”, Packt, November 2019.
3. Julie C. Meloni and Jennifer Kyrnin, “HTML, CSS, and JavaScript All in One, Sams Teach Yourself, 3rd Edition”, Pearson, 3rd Edition 2019.
4. Mike MrGrath, “HTML, CSS & JavaScript in easy steps Paperback – Special Edition”, 2020.

5. Ben Frain, “Responsive Web Design with HTML5 and CSS”, Packt, Third Edition 2020.

E-Resources:

1. https://youtu.be/JsxbB217QGY?list=PLVIQHNRLfIP_hIZuBNjr6rZzqa2HZFkny - Introduction to Web Technologies
2. https://youtu.be/3GGmmVp6iOc?list=PLVIQHNRLfIP_hIZuBNjr6rZzqa2HZFkny - Introduction to HTML
3. <https://youtu.be/NAEHbzXMNpA?list=PLWPirh4EWFpFI-w62QiV62FOVHcXnynon> - HTML Introductions
4. <https://youtu.be/fmTLhkFmB60> - Table
5. <https://youtu.be/2PgE7MpKzZU> - Forms
6. https://youtu.be/JcwjUNzIGg8?list=PLWPirh4EWFpFKYRhzNA_vHMNDNrhINruK - CSS

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	L	S	M
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

S-Strong; M-Medium; L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Experience Discussion, Brain storming, Activity, Case Study, Green Board, LCD Projector, Interactive White Board

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications) (Under CBCS and LOCF)
(For those students admitted during the Academic Year 2018-19 and after)

Part-III: Elective Course		SEMESTER - VI
Course Title: MOBILE COMPUTING		
Course Code: 11EP6B	Hours per week: 8	Credits: 5
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To provide the concepts and principles of mobile computing. To explore both theoretical and practical issues of mobile computing.

Course Outcomes (COs)

After the completion of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Basic concepts of Mobile Computing and its model	K1, K2, K3
CO 2	Explain the various concepts of Physical layer in mobile computing	K1, K2, K3
CO 3	Understand the various aspects of Cellular communication and GSM .	K1, K2, K3
CO 4	Know the various concept of wireless LAN & Bluetooth	K1, K2, K3
CO 5	Understand the Basic concepts and futures of WAP & WML	K1, K2, K3

K₁-Remembering **K₂**-Understanding **K₃**-Applying

Syllabus

UNIT I: Mobile Computing and its Models

Nomadic, Mobile, Ubiquitous Mobile Computing Architecture- Mobile Computing Technology- Adaptations-Client Proxy Server model-Thin Client model-Disconnected operation model-Dynamic client server model-Mobile Agent model.

UNIT II: Physical Layer

Wireless Communication-Multiplexing-Analog Modulation –Digital modulation Spread spectrum-Access Techniques.

UNIT III: Cellular Communications and GSM

Mobile Communication Principles-mobile telephone system using the cellular concept-cellular system architecture-cellular system components-Digital systems-Evolution of mobile telephone system- Global system for mobile communication (GSM)-GSM Network-GSM network areas-GSM specifications-GSM subscriber services.

UNIT IV: Wireless LAN and Bluetooth

Wireless LAN technology-Wireless LAN Problems-MACA and MACW-IEEE 802.11 Standard - Bluetooth protocol stack-Protocols in Bluetooth architecture-Bluetooth Core Protocols-Cable replacement protocol-Telephony control protocol-PPP-TCP/UDP/IP-OBEX protocol - Bluetooth usage models and Protocols.

UNIT V: WAP and WML

Mobile Internet-Mobile Computing and WAP-WAP Model-WAP architecture-WAP Protocol stack - WML –WML structure-WML features- WML scripts.

Text Book

Mobile Computing- Course Material By Karnataka State Open University.

Reference Books

1. Computer Networks - Andrew S. Tenenbaum , IV Edition, PHI
2. Computer Communication and Network - John Fuer, Pitman
3. Data Communication and Networking - Behrouz A Forouzn III edition TataMcGrawHill
4. Data and Computer Communications – E. Stallings, PHI

E-Resources

<https://www.slideshare.net/ankurkumar983/mobile-computing-part1>
<https://www.slideshare.net/sadiaAfrose1/mobile-computing-68322029>
<https://www.slideshare.net/gauravkoriya1989/mobile-computing>
<https://www.slideshare.net/jeniferchristy/mobile-computing-46713215>
<https://www.slideshare.net/lalitarora17/mobile-computing-65860689>

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	L	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

- Passed in the Board of Studies Meeting held on 31th August 2019
- Approved in the Academic Council Meeting held on 22nd June 2020

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – III : Elective Theory		SEMESTER - VI
Course Title : PROJECT & VIVA-VOCE		
Course Code: 11PV61	Hours per week: 1	Credit: 5
CIA: 50 Marks	ESE: 50 Marks	Total: 100 Marks

Objectives:

- To provide skills to identify a problem to be automated with social relevance.
 - To develop skills in analyzing real world problems and prepare problem statements
 - To design with various design representation including architectural design, database design and GUI design
 - To apply the coding skills and develop the system
 - To prepare test cases and test the system through unit testing, integration testing and acceptance testing
 - Apply proper validation to the system developed.
 - To prepare user manual and maintenance guidelines
 - To provide documentation and presentation skills
-
- Passed in the Board of Studies Meeting held on 21th March 2018
 - Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2021-22 and after)

Part-III: Skill Based Theory		SEMESTER - VI
Course Title: ENTREPRENEURSHIP DEVELOPMENT		
Course Code: 11SB61	Hours per week: 2	Credits: 2
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

Gives the better idea about the topics like factors affecting entrepreneurial growth, qualities of entrepreneur, financial and institutional support to entrepreneurs.

Course Outcomes (COs)

At the end of the course, students would be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	Understand the concept of entrepreneurship, and qualities of an entrepreneur.	K1, K2,K3
CO 2	Acquire knowledge about the talent identification and development of entrepreneurship.	K1, K2,K3
CO 3	Identify, formulate and appraise the project for implementation.	K1, K2,K3
CO 4	Explain about the institutional support for entrepreneurship development.	K1, K2,K3
CO 5	Prepare the project report for financial support.	K1, K2,K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT-I****[6 Hours]**

Entrepreneurship – Meaning – Importance – Qualities of Entrepreneurs –Kinds of Entrepreneurs - Functions of an Entrepreneur - Type of Entrepreneur - Entrepreneurship - Meaning - Factors Influencing Entrepreneurship.

UNIT-II**[6 Hours]**

Entrepreneurial Talent Identification and Development – Selection and Training- Industrial Estates - Women Entrepreneurship – Peculiar Problems.

UNIT-III**[6 Hours]**

Project identification - – Meaning of Project – Classification – Sources of Project Ideas – Project Formulation – Steps – Methods- Project Appraisal – SWOT Analysis.

UNIT-IV**[6 Hours]**

Financial Assistance – Role of Institutions – Financial Agencies - Banks – SIDBI - NSIC, TIIC, SIPCOT, KVIC, DIC, NABARD – its functions – Incentives and Subsidies – Support of Central Government - Support of State Government - Special Schemes for Entrepreneurial Development – IRDP, PMEGP, Venture Capital Scheme.

UNIT-V**[6 Hours]**

Project Report – Meaning – Contents – Types – Steps in Preparation – Qualities of a good Report.

Text Book

E.Gordon K.Natarajan., “**Entrepreneurship Development**” Himalaya Publishing House, 2019.

Reference Books

1. Khanka S.S., “**Entrepreneurial Development**”, S.Chand & Co. Ltd. Ram Nagar New Delhi, 2019.
2. Desai Vasant., “**Entrepreneurial Development and Management**”, Himalaya Publishing House, New Delhi-2018.
3. Dr.SatishTaneja.,“**Entrepreneur Development**” Himalaya Publishing House, New Delhi- 2018.
4. S.Anil Kumar and Others “**Entrepreneurship Development**”, New Age International (P) Ltd Publishers. New Delhi-2019.

E-Resources

1. <https://ncert.nic.in/ncerts/l/lebs213.pdf>
2. http://www.crectirupati.com/sites/default/files/lecture_notes/Entrepreneurship%20Development%20Notes.pdf
3. <https://www.arsdcollege.ac.in/wp-content/uploads/2020/04/Lecture-2-Project-Report.pdf>
4. https://www.nimsme.org/ranzo/uploads/articles/Project_Appraisal_1652.pdf
5. https://www.internationalseminar.org/XV_AIS/TS%203/3%20Mrs.%20Priyanka%20Sharma.pdf

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	S	S	M
CO3	S	S	M	S	S
CO4	S	S	S	M	S
CO5	S	S	S	S	S

S-Strong

M-Medium

L-Low

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

- Passed in the Board of Studies Meeting held on 20th February 2021
- Approved in the Academic Council Meeting held on 27th March 2021

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – IV : Skill Based Theory		SEMESTER - VI
Course Title : HARDWARE & NETWORKING		
Course Code: 11SB62	Hours per week: 2	Credit: 2
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enhance the students with the basic knowledge of various computer hardware components, software and networking.

Course Outcomes:

After the completion of the course, students would be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Define the basic concepts of computers and list out the computer devices	K1,K2.K3
CO2	Explain different types of RAM	K1,K2.K3
CO3	Describe the uses of Input Devices	K1,K2.K3
CO4	Explain the different types of Networks	K1,K2.K3
CO5	Describe Modem and its functioning	K1,K2.K3

K₁-Remembering

K₂-Understanding

K₃-Applying

Syllabus

UNIT I

(6 hours)

Computer Hardware - Components of mother boards – Types - Ports – Slots – Connectors - add on cards - Power supply units - Cabinet types - Storage devices - Primary & secondary storage medium.

UNIT II

(6 hours)

Magnetic disc - RAM - ROM – PROM – EPROM –CD ROM – CDRW – DVD – Blu-ray Disc (BD, BRD) - Virtual memory - Cache memory - Linear & Physical memory - Video memory.

UNIT III

(6 hours)

Input devices: Keyboard - Mouse - Types of Mouse - Joy stick – Web cam-barcode reader-**Output devices:** Monitors- Different types of Monitors, - Printers - Types – Projectors.

UNIT IV

(6 hours)

Networks: Why networks - Basic network concepts - Applications - Uses of computer networks - different layers in networks - Internet & web concepts - Network security - **Data & its design issues:** Protocol & its basics - Different types of protocols - Available services.

UNIT V

(6 hours)

Modern Network Techniques: Basic modern network mediums - Basic modern Modem – Ethernet - Switch – Repeater-NIC (network interface card)-Bridge- Hub-Routers- Hardware & software issues of modern networking mediums - Basic network simulations.

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz , Assignment, Experience Discussion, Brain storming, Activity, Case Study

Text Books

1. D.Balasubramanian, **Computer Installation and Servicing**, Tata McGraw Hill, New Delhi, 2013

Reference Books

1. AchyutGodbole, **Computer Networks**, Tata Mc-Graw Hill -New Delhi, 2015
2. KavehPahlavan and PrashantKrishnamurty, **Principles of Wireless Networks– A unified Approach**, Pearson Education, 2002
3. Stephen J. Bigelow, **Troubleshooting, Maintaining & Repairing PCs**, TMH Publishing Company
4. Andrew S.Tanenbaum, **Computer Networks**, Prentice-Hall of India, New Delhi, 2013
5. Govindarajulu, **IBM PC and Clones**, TMH Publishing Company, New Delhi.

E-Resources

1. https://youtu.be/-AP1nNK3bRs?list=PLWPirh4EWFpF_2T13UeEgZWZHc8nHBuXp - Introduction to Computers
2. https://youtu.be/VHKYc7TzT_g - Computer Hardware, components, slots, ports.
3. <https://youtu.be/CdNGX9kM-is> - Magnetic Disk, CD, DVD, CDRW, Blu-Ray.
4. <https://youtu.be/pLhQ0xx4bcs> - Input and Output Devices, Monitor, Keyboard, Mouse, Printer
5. <https://youtu.be/Bvdz24orMhQ?list=PLWPirh4EWFpHJrW1D9UB24wsbM3zx7QMx> - Computer Networks, Types, Importance.
6. <https://youtu.be/uBoz8xkYGTI> - Networking Devices - Repeater, Hub, Switch, Bridge, Router.
7. <https://youtu.be/6hO4cx4sln0> - Assemble a Desktop Computer.

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	L	S	M
CO3	S	M	S	S	S
CO4	S	S	S	L	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

- Passed in the Board of Studies Meeting held on 21th March 2018
- Approved in the Academic Council Meeting held on 11th April 2018

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

Programme: B.Com (Computer Applications), (Under CBCS and LOCF)

(For those students admitted during the Academic Year 2018-19 and after)

PART – IV : Skill Based Theory		SEMESTER - VI
Course Title : PHP AND MYSQL		
Course Code: 11SB63	Hours per week: 2	Credit: 2
CIA: 25 Marks	ESE: 75 Marks	Total: 100 Marks

Preamble

To enlighten the students know the basic knowledge about the PHP concepts, Database and to enable the students to write programs using PHP.

Course Outcomes

After the completion of the course, students would be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO1	Explain the basic concepts of PHP and HTML	K1,K2.K3
CO2	Write PHP program using functions and arrays	K1,K2.K3
CO3	Design the HTML document using Functions	K1,K2.K3
CO4	Explain the importance of Cookies and Sessions	K1,K2.K3
CO5	Write PHP program with My SQL data base Connection	K1,K2.K3

K₁-Remembering**K₂**-Understanding**K₃**-Applying**Syllabus****UNIT- I****(6 hours)**

Introduction: History of PHP -Basic PHP Syntax- PHP Data Types-Basic Program in PHP- Operators and Variable -String Handling Functions- Condition Statements and Loops- Embedding PHP and HTML -Executing PHP and viewing in Browser

UNIT-II**(6 hours)**

Functions-Meaning-creating a function-User Defined Function-**Arrays**-Meaning -arrays-One Dimensional Arrays-Two Dimensional Arrays-Accessing Array-Getting the Size of an Array

UNIT -III**(6 hours)**

File handling-Creating and deleting a file-Reading and Writing Text Files-Working with Directories in PHP- File Upload .**Forms**-Meaning-Importing User Input-Accessing User Input-Combine Html and PHP Code

UNIT-IV**(6 hours)**

Cookies –Meaning- Setting Time in Cookie With PHP-Deleting A Cookie-Creating Session Cookie-Working with the Query String. **Session-Meaning** -Starting Session-Registering Session Variables-Working with Session Variables-Destroying Session

UNIT-V**(6 hours)**

MY SQL-Meaning -Connecting to the MYSQL-Selecting a Database-Adding Data to a Table-Types of Tables in MYSQL-Query in MYSQL- Select, Insert, Update, Delete, Truncate ,Alias, Order By-Database and Connectivity of PHP with MYSQL

Text Book

“PHP and MYSQL in Easy Steps”, Mike McGrath, Easy Steps Limited, 2015

Reference Books

1. “PHP and MYSQL for dynamic web sites”, Larry Ullman 4th edition Berkeley, 2013
2. “The Complete Reference PHP”, by SteverHolzner McGraw Hill UK, 2014.
3. “PHP 5 and MYSQL”, Tim converse, Joyce Park and Bible Wiley, 2014.
4. “Web Database Applications with PHP and MYSQL”, by Hugh E Williams, David Lane.O’Reilly UK. April, 2014.
5. “PHP 5 and MYSQL Web Development”, Lucky Welling Laura Thomson 5th edition UK, 2015.

E-Resources

1. <https://youtu.be/0rI6oAYHYsc> - Introduction to PHP
2. <https://youtu.be/twv1y8OTFDI> - Functions
3. <https://youtu.be/29rQbLqGTpk> - File handling
4. https://youtu.be/0_2NmiAm2nc - Cookies
5. <https://youtu.be/opoI4C8xoN8> - Session
6. https://youtu.be/e1LPfehYSgg?list=PLS1QuIWo1RIY4auvfxAHS9m_fZJ2wxSse - MYSQL

Mapping of CO with PO

	PO 1	PO 2	PO 3	PO 4	PO 5
CO1	S	S	S	S	S
CO2	S	S	S	M	S
CO3	S	M	S	S	S
CO4	S	S	M	S	S
CO5	S	S	S	S	S

S-Strong M-Medium L-Low

Pedagogy

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DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)
SEMESTER – VI

(For those who joined in June 2014 and After)

PART – IV : Common Course Theory		
Course Title : VALUE EDUCATION		
Course Code: VEUG61	Hours per week: 2	Credit: 2
CIA: 25 Marks	ESE: 75 Marks	Total Marks: 100

Syllabus

UNIT I: The heart of Education:

Introduction – Eternal Value – Integrated approach to value education - one for all and all for one – Responsibilities of a citizen – Habit Vs wisdom – purifying mind pollution – Respect for all Religions – Parents, teachers and fellow students – The need and benefit of exercise and meditation for students.

UNIT II: The Value of Body and Life Energy

Introduction – what are the causes for pain, Disease and death? Three Basic needs for all living Beings – Personal Hygiene Five Factors of Balance in Life – The need and benefits of physical Exercise – The value and Base of Life energy – The value and Base of Bio-magnetism - You are your own best caretaker.

The Marvelous nature of mind

Introduction- Bio-magnetism – The base of the mind – characterisation of the Genetic Centre – metal frequency – practice for a creative mind - benefits of meditation.

UNIT III: Analysis of Thought

Introduction – An Exposition on the nature of thought– six roots for thoughts – Introspection for analysis of thoughts-practical techniques for analysis of thoughts. Benefits of Blessings

Effects of good vibrations – Make Blessing a Daily Habit

UNIT IV: Moralisation of Desire

Introduction – moralization of desire - Analyse your desires – Summary of practice.

Neutralisation of Anger:

Introduction – meaning – characteristics of Anger – Anger is a Destructive emotion – Anger spoils our relationship with others – Some common misconception about anger – will power and method success through awareness – method of neutralisation of anger.

UNIT V: Eradication of Worries

Worry is a mental disease – Nature’s Law of cause and effect – factors beyond our control – How to deal with problems – analyse your problem and eradicate worry Harmonious Relationships

Introduction – Three angles of life – The value of harmony in personal relations – Love and Compassion – pleasant face and loving words – appreciation and gratitude to parents and teachers – Bringing needed reforms in educational institutions Why should we serve others? Brotherhood – A scientific Basis for Universal Brotherhood protection of the environment – non-violence and the five fold moral culture.

Text Book: Value Education for Health, Happiness and Harmony

Based on the Philosophy and Teachings of Swami Vethanthiri Maharisi) Published By: Brain Trust, Aliyar
A Wing of World Community Service Centre

DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)
SEMESTER – VI

(For those who joined in June 2008 and after)

PART – V : Common Course Theory		
Course Title : EXTENSION ACTIVITIES		
Course Code: EAUG61	Hours per week:	Credit: 1
CIA: 25 Marks	ESE: 75 Marks	Total Marks: 100

Syllabus

UNIT-I:

Community Development-I: definition – structure and composition – community based issues – need for awareness – Developmental Programmes.

UNIT – II:

Community Development–II: Rural Scenario – need of the Community – need for the community service – role of youth in community building – communal harmony – literacy – Educational Recreation.

UNIT – III:

Volunteer Empowerment: Women’s Emancipation – formation of Youth Clubs – Self-Help Groups – Youth and Development.

UNIT – IV:

Social Analysis: Social issues – cultural invasion – media infiltration – human rights Education/Consumer Awareness – Adolescents Reproductive – HIV/AIDS/STD – Social harmony/National integration – Blood Donation.

UNIT – V:

Introduction to NSS: Basic Concepts – profile – aims – objectives – symbol – Motto – structure – Regular activities – Special Camping Programme – Adventure Programme – National Days and Celebrations.(Applicable to NSS Students)

(OR)

NCC- Origin – Organisation – Ministry of Defence – Armed forces – commands – Defence establishments in Tamil Nadu

Civil Defence – Aid to civil authorities – Disaster management – Leadership – Man management – Adventure activities – Social service

Reference:

National Service Scheme Manual (Revised), Ministry of Human Resources Development, government of India.