

Credit Based III SEMESTER B.Com.(Vocational)Degree

Papers offered for study

Sl. No	Course Subjects	Course Code	No. Of hrs per week	Marks		Max Marks
				IA	Theory	
1	General Proficiency and Communicative English	BCMENL203	4	20	80	100
2	Hindi	BCMHDL204	4	20	80	100
	OR Kannada	BCMKAL203				
3	International Trade and Public Finance-I	BCMCMC209	4	20	80	100
4	Financial Accounting-III	BCMCMC217	6	30	120	150
5	Computer Application –V (Database Concepts and Oracle)	BCMCAV204	6	20	80	100
6	Computer Application –VI (Multimedia and DTP)	BCMCAV205	4	20	80	100
7	Computer Application - Practical	BCMCAV206	2	10	40	50
8	Co & Extra Curricular Activities					50

**Credit-based III Semester B.Com (Vocational) Degree
(2015-16 Batch Onwards)
General Proficiency and Communicative English
4 Hours per Week. Max. Marks: 100**

Features:

The syllabus is designed for 40 hours (4 hours per week). The Maximum Marks allotted is 100 (80+20). The duration of the semester exam is 3 hours.

Objectives:

- To teach the right use of punctuation.
- To gain the ability to interpret notices found in public places.
- To acquire competence in the spoken form of English.
- To encourage the creative use of language.

Course Content:

- Text:
- THE STRANGE CASE OF BILLY BISWAS: ARUN JOSHI

Grammar:

- 1) Punctuation
- 2) Bibliography
- 3) Interpretation of Notices
- 4) Preparing advertisements
- 5) Dialogue-writing

Course Outcome:

- **Essay questions:**
 - 1) Attempt a character sketch of Billy Biswas in Arun Joshi's novel.
 - 2) Attempt a character sketch of Romi, the narrator in Arun Joshi's 'The Strange Case of Billy Biswas'.
 - 3) How is the story of Billy Biswas strange and unusual?
 - 4) Comment on the title of the novel.
 - 5) Discuss Billy Biswas as a tragic hero.
 - 6) Critically analyse the character of Meena Biswas.
 - 7) Why is Billy's marriage with Meena a failure? Explain. te a note on Billy's marriage with Meena and its significance in the development of the plot of the novel.
 - 8) Compare and contrast Meena and Bilasia.

P.T.O.

- 9) Critically analyse the passions and compulsions that forced Billy to leave the civilized society and join the tribal world.
- 10) Write a note on Billy's life as a tribal.
- 11) Describe the circumstances that lead to Billy's death.
- 12) Write a note on Billy's friendship with Romi.
- 13) What are your impressions of Romi as a narrator?
- 14) What is the significance of women characters in the novel?

▪ **Grammar:**

- 1) Punctuate the following sentence and use capital letters wherever necessary.
Why do you question rimas integrity she asked
- 2) Rearrange the following details in bibliographic format:
Publication data : Penguin Publishers, 2013, United Kingdom
Title of the book : Blink
Author : Malcolm Gradwell
- 3) Interpret any one of the following notices in one or two sentences:
 - a) No Entry
 - b) Beware of Pick pockets
 - c) School Zone
- 4) Write a dialogue of about 10-15 sentences.
 - a) Two friends discussing the recent Olympic Games held at Rio.
 - b) Son pleading with his father for permission to study abroad.
 - c) Student and faculty planning inter-collegiate fest.
- 5) Fossil is launching a new range of watches. Prepare an advertisement within a frame with a slogan and USP.

Student Evaluation Components:

SL.NO	TYPE OF ASSESSMENT	WEIGHTAGE
1.	Internal assessment:2 tests & assignment	20% (20 Marks)
2.	University Examination of 3 Hrs duration	80% (80 Marks)

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**Credit Based Third Semester B.Com (Vocational Degree
Hindi Language (Group -I) (Paper-III)
(2015-16 Batch onwards)
[4hours per week. Max. Marks: 100]**

उद्देश :

- मानव मूल्यों को स्थापित करना और सामाजिक जिम्मेदारी की भावना ।
- भाषा के रचनात्मक उपयोग को प्रोत्साहित करना ।
- सभी चुनौतियों का सामना करने के लिए छात्रों का आत्मविश्वास बढ़ाना ।

Unit I मध्यकालीन काव्य

१. कबीरदास- दोहा (१ से १० तक)
२. सूरदास- भ्रमरगीत पद (पद १ से ५ तक)
३. तुलसीदास - कवितावली (१ से ७ तक)
४. मीराबाई - पदावली (१ से ५ तक)

Unit II आधुनिक कविता

१. ले चल वहाँ भुलावा देकर- जयशंकर प्रसाद
२. बादल राग - सूर्यकांत त्रिपाठी 'निराला'
३. अकाल और उसके बाद; मास्टर! - नागार्जुन
४. दूर तारा ; भूल गलती - गजानन 'मुक्तिबोध'
५. कमरे का दानव - केदारनाथ सिंह

Unit III उपन्यास

२. अपवाद- डॉ. श्याम सखा 'श्यामा'(पृ १ से ४५ तक)

Unit IV २. अपवाद- डॉ. श्याम सखा 'श्यामा'(पृ ४६ से अंत तक)

Prescribed Text Books

१. मध्यकालीन एवं आधुनिक काव्य धारा- सं. डॉ. सरजू प्रसाद मिश्र , डॉ शंकर एस तेरेदाल; अमन प्रकाशन, कानपुर-२०८०१२
२. अपवाद - डॉ. श्याम सखा 'श्यामा", अमन प्रकाशन, कानपुर- २०८०१२

Course Outcome-

1. कृष्ण के विरह में तडपती हुई गोपिकाओं की पीडा चित्रण सूरदास ने किस प्रकार किया है?
2. 'ले चल वहाँ भुलावा देकर' कविता का सार लिखकर उसकी विशेषताओं पर प्रकाश डालिए ।
3. अकाल और उसके बाद कविता का सार लिखिए।
- 4.. अपवाद कहानी का सार लिखिए।

Student Evaluation Components

Sl.No	Type of Assessment	Weightage
1.	Internal Assessment: Two Test & Assignment	20%(20 marks)
2.	University Examination of 3 Hours Duration Question Paper pattern 1. One word Answers(Unit I & II)-1 mark each for 10 questions 2. Annotations (Unit I)5 marks each, Answer any 2 out of 3 3. Annotations (Unit II)5 marks each, Answer any 2 out of 3 4. Answer any 1 questions of 10 marks each out of 2 (Unit I) 5. Answer any 1 questions of 10 marks each out of 2 (Unit II) 6. Answer any 2 questions of 10 marks each out of 3 (Unit III& Unit IV) 6. Short Notes 2 questions of 5 marks each out of 4(Unit III &IV)	80%(80 marks)

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UllAAPADZáj vA CÁwAia ©.PÁA (a wEj) FzK
aAEgEiA ZMaaAD, A
FwE: PEqA
(FbPEA : 2014-15 aAvUCEAvjzA, A° ERhUj)
(aAgPE 4 UAmUACaCu, Uj pAAPUka: 100)

PEqA FwEiA GZaUka:

1. ©° vA aEZAj PA afeAaPA oAUKE 1A, AaAEiA FSAZUKEAB CZMAiEA aAAqAaZa
2. ©MUEqA, EbaUEqA oFE, UEqA EPCAZiA, ZP vA - SAqAAiA, 1A AC aAvUdEFAZa PAa FBAgUKEAB PR AiAaZa.
3. UZa APPEUKEAB oFE, UEqA UZa aE«ZPEAB «ZAyOUUe Fj ZIZaA, AaZa.
4. PEqZa EwAeA - AREUMA, FwE CAPt, AREUKEAB PR AiAa aAEoPA oFE, AvE hAj EA aAVEPEA EA
5. OAIAvPA PEqZa «Za «EA, UKEAB Fj ZaA, AvAU CAUMA SUE FAAiEAvPA ZIZB Eba, AaZa.

WA PA- 1 : aEA aCA-i avAPuAgPjE%hA - gEA FwE

1. gEAE 1A° AAaFEAPEA vAvE A F PAa AUZPe oAUe aPPAVZP «aj 1.
2. ©Aa ZAgEAEZehA, AAmUaiA AgA PEAB «aj 1j

WA PA- 2 : gERUzj AiAZa aO OaqE ZAAgA FwE

1. C°PEA a° aAaEAB PAaZPe oAUe agME, AAVZP
2. gERUzj AiAZa aO OaqAiA j AwAiEAB «aj 1j

WA PA- 3 : vjPpEvW aEA vASej - ZAEAA+j AFA FwE

1. vASej AiEAB ZAEAA+j AFA oAUe AAPwPP Av S%h PEArZAgE?
2. AZEUE FEGPP Av aDIA SzAPA JASAZeAB PR EA oAUe agME, AvZ?

WA PA- 4 : EAUEEAPeqPA- FMeE aAUa±igAa FwE

1. aPEA PEqPA PEFAZPE SAZa EAUEEAB "oMAiA, AUE vjA" JAZa FwOaA, PA PAgE aEA? «aj 1j.
2. EAUEUvEA aAPMEAB vAEZa aAUE PMA» 1Za, AZa D°EAB «aj 1j

WA PA 5 : PtePAiA aAZAPA FAw.EhA AAZAgI FwE

1. PtePAiA aAZAPA PKEA PR Eza AgA PEAB «aj 1j
2. PtePAiA aAZAPEA ZAUqA aEEA aPA PAgE aAZa, APAAPEAB «aj 1

WA PA- 6 : S, PAc ahtgA - vAEAZaFAvEh FwE

1. ahtgA PA°Za FAaEa aE°PEAB, PAPA EA SZAOEKEqEE oAUe oEA, AAVZP
2. AA1PA ZP ADOAvA ©EP Av aEAIEFAUE UArPhZa ahtgA aDvZa UhnVEA PR EZPe oAUe agME, vP AVZP?

WA PA-7 : «aEa- A Gpa FwE

1. JAx «mPA Fj 1wAi° aiAE, AwPAiEAB, AU, 1PEFA PA DPAAPE PR EZPe oAUe aPUEArZ?
2. S° mPA AZa FjAFAAiEAB aAj Za oFE, PAUOZPe EbaPAiA APAZhE U%h, APAZa DVa «aEa, A PR EZPe oAUe aMER SACZ?

WA PA- 8 : FzKvA aFjA AiEPA (AiPWAEA) ZehAr. J, i. FwE

1. EA°ZPj UE aEA, PAAqA AgZAS, AZaPA ZP AogAAiA aAvU AiAaEA, AAmUaiA oAUe aPPAVZP «aj 1
2. FAEUKE, UD aAgA aDIZe JASAZa ZP AogAAiEA ©A AVZE AiPWAEA PAa AUZa »EB AiA° e, PMA 1j.

**Credit Based III Semester B.Com. (Vocational)Degree
(Common to all Batches)**

Course: Economics

Course Paper III: International Trade and Finance – I

Number of Modules: 05

(4 Hours per week. Max. Marks: 100)

Objectives of the Course:

- To understand the significance and distinguishing features of International Trade
- To know the concepts and factors affecting Terms of Trade
- To understand the Trade Policy and Trade Barriers
- To study the structure, causes, types and measures to correct Balance of Payment Disequilibrium
- To understand the working of European Union, WTO.

MODULE I: Introduction:

10 Hours

- 1.1 Features of International Trade
- 1.2 Significance of International Trade
- 1.3 Theory of Comparative Cost
- 1.4 Factor Endowments Theory

Course Outcome:

1. What are the distinguishing features of International trade?
2. Explain the importance of International trade.
3. Explain the comparative cost theory of International Trade.
4. Explain the Factor Endowment Theory of International Trade.

MODULE II: Terms of Trade:

08 Hours

- 1.1 Concepts of Terms of Trade
- 1.2 Factors affecting Terms of Trade

Course Outcome:

1. Explain the concepts of Terms of Trade.
2. Explain the factors affecting Terms of Trade.

MODULE III: Trade Policy and Trade Barriers:

10 Hours

- 1.1 Free Trade- arguments for and against
- 1.2 Protection – arguments for and against
- 1.3 Tariffs-types and effects
- 1.4 Quotas – types and effects
- 1.5 Exchange Control- objectives and methods

P.T.O.

Course Outcome:

1. Explain Free trade policy. What are its merits and demerits?
2. What is Protection? Explain its merits and demerits.
3. Explain the classification and effects of Import Tariffs and Import Quotas.
4. Explain the objectives and methods of exchange control.

MODULE IV: Balance of Payments:**10 Hours**

- 4.1 Meaning and Components
- 4.2 Disequilibrium in Balance of Payments
- 4.3 Causes and types disequilibrium
- 4.4 Methods of correcting disequilibrium.

Course Outcome:

1. Explain the meaning and structure of Balance of payments disequilibrium.
2. Explain the types and causes of Balance of Payments disequilibrium.
3. What are the remedial measures to correct Balance of Payments disequilibrium?

MODULE V: International Economic Integration: 10 Hours

- 1.1 Meaning, types and advantages of Economic Integration
- 1.2 European Union – origin, objectives, organisation working and achievements
- 1.3 WTO- origin, objectives, organisation, WTO agreement, working of WTO and India
- 1.4 Achievements and challenges of WTO

Course Outcome:

1. Explain the forms of Economic Integration. What are the advantages of Economic Integration?
2. Explain the organisation and achievements of European Union.
3. Explain the objectives, organisation, achievements and challenges of WTO.

Books for Reference:

1. M. L. Seth: International Economics.
2. M. L. Jhingan: International Economics.
3. Francis Cherunilam: International Economics.
4. Rana K.C and Verma K.N: International Economics.

Student Evaluation Components:

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests & assignment	20% (20 marks)
2.	University Examination of 3 hours duration. Question paper pattern: There will be three parts. Part A - Answer any two questions of 16 marks each out of four questions. Part B - Answer any four questions of 08 marks each out of six questions. Part C - Answer any four questions of 04 marks each out of six questions	80% (80 marks)

**Credit Based III Semester B.COM. (Vocational)Degree
Scheme 2015-16 Onwards)
Course Paper : Financial Accounting-III
Total Chapters : 6
6 Hours per Week. Max. Marks:150**

Objectives of the Course:

- To know the reasons for Admission of a partner
- To know the accounting treatments at the time of Retirement .
- To understand the various adjustments at the time of Admission cum Retirement.
- To prepare the Executors Account, Joint Life Policy and Individual Policies.
- To know the reasons for Dissolution.
- To know the apportionment of cash under Piecemeal distribution.

Chapter I: Admission of a partner:

Reasons for Admission-Sacrifice Ratio-New Ratio-Goodwill Treatment-Revaluation Account

Course out Come:

1. What is sacrifice ratio?
2. Problems on Sacrifice and New ratio.
3. Journal entries for Goodwill treatment at the time of Admission.

Chapter II : Retirement of a partner:

Meaning-Gain Ratio-New Ratio-Goodwill Treatment-Revaluation Account

Course outcomes:

1. What is Gain Ratio?
2. What are the methods of evaluating Goodwill?
3. Preparation of necessary Ledger Accounts.

Chapter III : Admission cum Retirement of a partner:

Meaning- Adjustments-Necessary Ledger Accounts.

Course outcomes

1. What are the reasons for simultaneous Retirement cum Admission.
2. What are the accounting treatment at the time of Retirement cum Admission.
3. How to calculate the capital of the new firm?

Chapter IV : Death of a partner:

Difference in accounting treatment between Retirement and Death of a partner-Preparation of Executors account-Necessary Ledger accounts-Joint Life Policy-Individual Joint Life Policy.

P.T.O.

Course outcomes:

1. What are the accounting treatment at the time of Death of a partner?
2. What is joint life policy and individual life policy?
3. Preparation of Joint life policy and Joint life policy reserve account.

Chapter V: Dissolution of Partnership Firm:

Simple dissolution, Insolvency of all the partners ,insolvency of a partner.

Course outcomes:

1. What are the accounting treatment at the time of Dissolution?
2. What are the circumstances which a partnership firm is dissolved?
3. Distinguish between dissolution of partnership and dissolution of a firm.

Chapter VI : Sale of Partnership Firm

Sale of partnership firm to a limited company- entries in the books of the firm, gradual realization of assets and piece meal distribution of cash.

Course outcomes:

1. What is purchase consideration? How it is calculated?
2. What do you mean by Incorporation entries?
3. What is meant by piece meal distribution of cash?

Book for Reference

1. Advanced Accountancy : R.L.Guptha
2. Financial Accounting : B.S.Raman
3. Financial Accounting : K.S.Adiga

Student Evaluation Components:

SL.NO	TYPE OF ASSESSMENT	WEIGHTAGE
1.	Internal assessment:2 tests & assignment	30% (30 Marks)
2.	University Examination of 3 Hrs duration	120% (120 Marks)

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Code: BCMCAV204

Credit Based III Semester B.Com (Vocational) Degree
Course: Computer Applications-V
Course Paper : Database Concepts and Oracle
Hours per week: 04 Max. Marks: 100

Objectives of the course

- To provide a strong formal foundation in database concepts.
- To give an introduction to systematic database design approaches covering conceptual design, logical design and an overview of physical design
- To present the concepts and techniques relating to query processing by SQL engines.
- To Understand and apply the principles of data modeling using Entity Relationship and develop a good database design.
- To Understand the use of Structured Query Language (SQL) and its syntax

- To write simple and advanced PL/SQL code blocks.

UNIT - I: 12 Hours

- 1.1 **Database Systems:** Database System Concepts and Architecture, Database Systems versus File Systems. Data Abstraction, Data independence, Schemas and Instances, Data models, Database Languages, Database Users, DBA. Structure of Database Systems.
- 1.2 **Data Modeling:** E-R model, Entity types, sets, Attributes, Keys, Relationships, Relationship Types, Roles and Structural Constraints, Weak Entity sets, E-R Diagrams. Different types of database' models and their advantages and disadvantages.

Outcome:

1. Explain the main characteristics of database approach and how it differs from traditional file system.
2. Explain the three schema architecture of DBMS.
3. Explain different types of attributes.
4. Describe the various symbols used in an ER diagram using example.
5. Write a note on database languages.

UNIT-II: 12 Hours

- 2.1 **Basic structure of Oracle System:** Database Structure and its manipulation in Oracle, Storage organization in Oracle
- 2.2 **Creation of Database:** Creating, changing and dropping the tables. Integrity Constraints specification, maintaining reference integrity constraints, Data insertion, Deletion and modification.
- 2.3 **Querying the database:** Information retrieval using SELECT statement, various features of SELECT statement, Aggregate functions, ORDER BY clause, working with expressions and sub queries handling of multiple tables.
- 2.4 **Views:** Creation of views.

Outcome:

1. Explain the basic structure of Oracle system
2. List and explain any 5 data types used in Oracle.
3. List and explain six clauses used in SELECT statement.

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4. How do you insert data into a table from another table? Explain with syntax and example.
5. Write a note on data constraints used on a table.
6. Explain CHECK constraint with syntax and example.

UNIT-III: 12 Hours

3.1 PL/SQL Basics: Introduction, character set, reserve words, Block structure, Data types, Conditional statements, looping statements, procedures, functions.

Outcome:

1. Explain the structure of PL/SQL program with an example.
2. With syntax and example explain how a function is created and executed in PL/SQL.
3. Explain various forms of if..endif structures with syntax and example..
4. Explain various looping statements of PL/SQL with syntax.

UNIT-IV: 12 Hours

4.1 **Cursors:** Implicit and explicit cursors, cursor attributes, triggers, packages

4.2 **Exceptions**

4.3 **SQL PLUS concepts:** Reports and form design issues.

Outcome:

1. With example explain how user defined exception is handled in a PL/SQL program.
2. With syntax and example explain how trigger is created and executed in PL/SQL.
3. Explain various commands/statements required to open, process and close the explicit cursor with syntax and example.

Text Books:

1. Silberschatz and Korth, **Database System Concepts**, McGraw Hill Publication. (Chapter 1)
2. Elmasri and Navathe, **Fundamentals of Database Systems**, 4th edition, Pearson Education Asia Publication, (Chapter 2, 3)
3. Ivan Bay Ross, **Commercial Application Development using Oracle D2k**, BPB Publications (Chapter 1, 2, 3, 4, 5, 6)

Reference Books:

1. Ivan Bayross, **SQL: PL/SQL : The programming Language**, BPB Publications
2. Scott Urman, **Oracle 8 PL/SQL Programming**, Tata McGraw Hill Edition

Student Evaluation Components:

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests and Assignments	20 Marks (20%)
2.	University Examination Question Paper Pattern: Part A – Answer any 10 questions of 2 marks each out of 12 questions. Part B – Answer one full question from each unit of 15 marks each out of 2 full questions. (There will be 4 units.)	Part A: 2 * 10 = 20 Marks Part B: 15 * 4 = 60 Marks Total: 80Marks (80%)

Code: BCMCAV205

Credit Based III Semester B.Com (Vocational) Degree

Course: Computer Applications-VI

Course Paper : Multimedia and DTP

Number of Units : 04

(4 Hours per week. Max.Marks:100)

Objectives:

- Creating a Brochure Using Two Pages per Sheet
- Creating Specialty Promotional Documents
- Creating Postcards to Promote Business
- Creating Invitations and Cards
- Planning and Designing Cards
- Creating Your Own Newsletter

UNIT-I

12 Hrs

Multimedia: Introduction, definition, use of multimedia, delivering multimedia. Text: The Power of meaning, About fonts and faces, Using fonts in multimedia, Using text in multimedia, computers and text, Font editing and design tools, Hypermedia and hyper text. Images: How to create, Making still images, colour, image file formats. Sound: The Power of sound, digital audio, MIDI audio, MIDI vs. Digital audio, Multimedia system Sounds, Audio File formats, Vaughan's Law of Multimedia minimums, Adding sounds to multimedia Project.

UNIT-II

12 Hrs

Animation: The Power of motion, Principles of animation, Animation by computer. Video: Using video, How video works and is displayed? Digital video container, obtaining video clips, Shooting and editing videos. Making multimedia : The stages of multimedia project, the needs for multimedia project, Input and output devices needed, software needed required authoring system.

UNIT-III

12 Hrs

Desktop Publishing: Introduction, The steps in conventional publishing, the steps in Desktop publishing, uses of DTP, Desktop publishing programs PageMaker: Introduction, Creating and opening publications, Opening publications created in previous PageMaker versions, about templates, applying masters to new pages as you create them, working with Palettes, Adding text and graphics to templates, Building your own template, specifying a save option preference, Setting up pages-Changing document setup options, Creating master pages, Applying master pages, Applying Grids, Text Formatting and word processing: Threading text blocks, Threading text frames. Balancing columns-controlling page and column breaks, Adding jump lines, Formatting characters, Formatting paragraphs-Setting indents and tabs-Adding rules above or below paragraphs, Using paragraph styles-Understanding how text is composed-Tracking type-Setting word and letter spacing-Customizing hyphenation for specific words- Customizing hyphenation for paragraphs-Leading: Adjusting the space between lines of text. Grouping and ungrouping objects, locking objects- Masking objects-Aligning and distributing objects-Rotating, skewing, and reflecting objects. Drawing and editing lines and shapes-Using frames-Changing the stacking order of objects-Cropping a Graphic-Wrapping text around graphics- Attaching a graphic to text. Using image control on a bitmap -Using Photoshop effects- Compressing and decompressing a TIFF image- Viewing images on-screen at different resolutions

P.T.O.

UNIT-IV**12 Hrs**

Photoshop: Getting started with Photoshop, Opening an Existing File, The Photoshop Program Window, Screen Modes, Saving Files, Reverting Files, Closing Files, Preferences, Working With Images: Vector and bitmap Images, Image Size, Image Resolution, Editing Images, Opening Files created in Illustrator or

Freehand, color Modes, Setting a current Foreground and Background Colors, File Formats, Making Selection, The Grow and Similar Commands, Moving a Portion of an Image, Editing Selections, Filling a Selection, Transforming selections, Painting, Drawing and Retouching Tools: The Painting Tools, The Drawing tools, The Retouching Tools., Layers Palette, Working with Layers, Layer Effects Type, Creating Type, Type Tool, Moving the Text, Creating Paragraph Type, Resizing a bounding Box, Changing the Typesettings, Converting the Point Type to Paragraph Type, Converting Type Layers to Standard Layers, Type Making Filters: The Filter Menu, Filter Gallery, Extract Filter, Liquify Filter, Vanishing Point Filter, Artistic Filters, Blur Filters, Brush Stroke Filters, Distort Filters, Noise Filters, Pixelate Filters, Lighting Effects, Difference Clouds, Sharpen Filters, Sketch Filters, Stylize Filters, Other Filters

Outcomes:

1. Design appropriate business documents.
2. Evaluate and critique documents.
3. Apply design concepts.
4. Work productively as an individual and as a team member to prepare materials.
5. Determine appropriate format to communicate message.

Text Books:

1. Tay Vaughan, Multimedia: Making It Work, 8th Edition, Tata McGraw Hill, 2011.
2. M.C Sharma, Desk Top Publishing on PC, BPB Publications, 2000
3. Adobe, Adobe PageMaker 7.0 - Classroom in a Book, BPB Publications, 2002.
4. Robert Shufflebotham, Photoshop CS5 in Easy Steps, Tata McGraw Hill Education Private Limited, 2010

Reference Books:

- 1) Ze-Nian Li and Mark S Drew, Fundamentals of Multimedia, PHI, 2009
- 2) Ralf Steinmetz and Klara Nahrstedt, Multimedia: Computing, Communication and Applications, LPE, Pearson Education
- 3) Kevin G Proot, Adobe PageMaker 7.0, Cengage Learning India, 2009.
- 4) Lisa Danae Dayley, Brad Dayley, Adobe Photoshop CS5 Bible, Wiley's India Publications, 2011

Student Evaluation Components:

Sl. No.	Type of Assessment	Weightage
1.	Internal Assessment: Two tests and Assignments	20 Marks (20%)
2.	University Examination Question Paper Pattern: Part A – Answer any 10 questions of 2 marks each out of 12 questions. Part B – Answer one full question from each unit of 15 marks each out of 2 full questions. (There will be 4 units.)	Part A: 2 * 10 = 20 Marks Part B: 15 * 4 = 60 Marks Total: 80 Marks (80%)

Code: BCMCAV206

**B.com (Vocational) - III Semester
Computer Application - Practical
Oracle and DTP Lab
Practical/Week: 4 Hrs Max Marks: 50**

Objectives:

To demonstrate an understanding of:

1. Basic skills using the PageMaker software
2. Creating simple single page and double publications
3. Working with text graphics formatting
4. Defining creating manipulating Database.
5. The processes of Database Development using SQL and PL/SQL.

Course Content

PART-A (Oracle)

1. Create a table EMPLOYEE using SQL command to store details of employees such as EMPNO, NAME, DESIGNATION, DEPARTMENT, SEX and SALARY. Specify primary key and NOT NULL constraints on the table and allow only 'M' or 'F' for the column SEX. Write the following SQL Queries:
 - a) Display information about all employees.
 - b) Display EMPNO, NAME and DESIGNATION of all employees.
 - c) Display the details of all female employees.
 - d) List EMPNO, NAME and DESIGNATION of all employees whose salary is more than 15,000.
 - e) Display the name of the employees who gets the maximum basic pay.
 - f) Display the number of employees in marketing and sales DEPARTMENT.
2. Create the following tables by identifying and foreign keys. Specify the not null property for mandatory keys.

SUPPLIERS (SUPPLIER_NO, SNAME, SADDRESS, SCITY)

COMPUTER_ITEMS (ITEM_NO, SUPPLIER_NO, ITEM_NAME,
IQUANTITY)

Write the following SQL statement.

- a) List ITEM and SUPPLIER details.
- b) List the names of the suppliers who are supplying keyboard.
- c) Display the items supplied by 'Microtech'.
- d) List the items supplied by the supplies 'Cats' and Electrotech'

3. Create the following tables by identifying primary and foreign keys; specify the not null property for mandatory keys.

DEPARTMENT_DETAILS

DEPTNO	DEPTNAME	TOTEMP	CHARGE/HRS	BONUS IN %/HRS
D0001	Accounts	5	750	10
D0002	sales	10	2000	10
D0003	service	5	500	10
D0004	purchase	4	600	10

EMPLOYEE_DETAILS

EMPNAME	DEPTNO	TOTALHOURS
Raman	D0002	8
Deekshith	D0001	6
Ramnath	D0003	4
Naveen	D0002	7
Shyam	D0004	5

Write the following SQL queries.

- a) Display empname, department no and department name of all employees
 - b) Display the department name to which Mr. Ramnath belongs to.
 - c) Display the bonus got by Mr. Raman.
 - d) Display the total number of hours taken by Accounts Department.
4. Write a PL/SQL program to process a bank transaction. Whenever a request for withdrawal is issued, a check is made if there is sufficient fund in the account. If the fund is not available, it should print the message as "No sufficient Fund".
 5. Write a PL/SQL program to compute the DA, HRA, Tax and Net pay of employees. Base table contains the following columns empnum, empname, basic pay, DA, HRA, Tax, Net pay. Given HRA is 10% of basic pay, DA is 12% of basic pay, Tax is 10% of Basic pay. (using open, fetch and close statement)
 6. Given the following tables:
 - ITEM_MASTER (itemno, name, stock, unit_price)
 - ITEM_TRANS (itemno, quantity and trans_date)
 Write a function to check whether the item exists in ITEM_MASTER. Write a main program such that if the function returns a value 1, add a record to ITEM_TRANS with a given itemno, qty and today's date for transaction date, otherwise display an appropriate error message.
 7. Consider a table ITEM that includes itemno, name and rate. Another table ITEMTRANS includes INO, name, rate Operation, Date. Create a trigger that does the following
 - i. When a new record is inserted to Item, record to be inserted to ITEMTRANS with Operation='I'.
 - ii. When a record is deleted from ITEM, record to be inserted to ITEMTRANS with Operation='D'.

- iii. When rate of any item is changed, record to be inserted to ITEMTRANS with Operation= 'U' with the old rate.

Date field stores the date of transaction performed.

PART-B (DTP)

1. Design a publication to demonstrate the use of frame and picture.
2. Design a publication to demonstrate the use of table and rotating control.
3. Design a sales bill.
4. Design a news paper cutting.
5. Design a college day invitation.

PART-C (PHOTOSHOP)

1. Create image in Photoshop Painting Tools or use existing images copy the portions of one image to another image. Use Toolbox options Marquee tool (Rectangular Marquee, elliptical Marquee). Move Tool, Lasso Tool (Polygonal Lasso, Magnetical Lasso Tool) Magic wand Tools, Crop Tools.
2. Create images of artistic architectures using Photoshop Painting Tools (brush tool, pencil tool, Gradient, paint Bucket Tool) drawing tools (rectangle, rounded rectangle, ellipse, polygon, line, custom shape) and Retouching tools.
3. Create images in Photoshop Painting Tools or use existing images, create a type using type tool, and create a paragraph type. Resizing bounding box, change the type setting font, font size, color, change orientation and wrapping type. Use masking type into a image.
4. Create images or use existing images to create a new layer, layer via cut, new layer via copy, show layers, repositioning layers, moving layers between pictures.
5. Create images or use existing images and apply different types of Photoshop filters for different images. (Liquefy, artistic, brush strokes, distort, noise, pixilated, lighting, sharpen, sketch etc...)

Out comes:

After Completion of this course the student would be able to

1. Open, edit, view, save, print, and close publications c
2. Create a fact sheet, create a business report
3. Create a newsletter, create an advertisement
4. Creating tables defining relationships on tables and querying databases.
5. Able to develop program the database using SQL and PL/SQL.

SI. No	Type of Assignment	Weightage
1.	Internal Assessment Test: Two Tests	10 Marks
2	University Examination Question paper pattern Two examiners will conduct the practical exams. One from other college of the same university another from same college. Examiners are approved by the University.	PART – A (ORACLE) - 12marks PART – A(PAGEMAKER) - 11 marks PART – C(PHOTOSHOP)- 12 marks Record- 05 marks Total- 40 marks