

The Enclosed papers are to be included as IDS CAN course for S Y B Sc along with the existing CAN courses. Students are supposed to select one IDS in 3rd semester and one in 4th semester

VEER NARMAD SOUTH GUJARAT UNIVERSITY
Syllabus For S.Y. Bsc.
COMPUTER SCIENCE

Paper :IDS: CAN COURSE
E-Commerce and Cyber Security

With Effect From July - 2012.

- 1: Introduction to E-commerce
 - 1.1 What is E-commerce
 - 1.2 E-commerce frame work
2. E-commerce consumer applications
 - 2.1 e-commerce organization applications
 - 2.2 Network for E-commerce
 - 2.3 what is information way
3. E-commerce and World wide web
 - 3.1 E-commerce application services
 - 3.2 Consumer to Business Transaction
 - 3.3 Business to Business Transaction
 - 3.4 Security on the web
 - 3.5 Categories of Internet data and transactions
4. E-commerce security Issues
 - 4.1 Secure Socket layer
 - 4.2 Types of Electronic payment systems
 - 4.2.1 E-cash
 - 4.2.2 Electronic checks
 - 4.2.3 Smart cards and electronic payment systems
 - 4.2.4 Credit card and debit cards payment and their authentication
5. Introduction to Cyber Crimes
 - 5.1 Category of cyber crimes
 - 5.2 Technical aspects of cyber crimes
 - 5.2.1 Unauthorized access & Hacking
 - 5.2.2 Trojan , virus and Worm attacks
 - 5.3 E-mail & IRC related crimes
 - 5.3.1 Email spoofing and Spamming
 - 5.3.2 email bombing
 - 5.3.2.1 sending threatening emails
 - 5.3.2.2 Defamatory emails
 - 5.3.2.3 email frauds , IRC related

- 5.3.2.4 denial of Service attacks
- 5.3.2.5 A distributed denial of service attack

6. . Prohibited actions on Cyber

- 6.1 Pornography
- 6.2 IPR violation , software piracy , copyright infringement, trademarks violation
 - Theft of computer source code, patent violations
- 6.3 Cyber Squatting
- 6.4 Cyber terrorism:
- 6.5 Banking/Credit card related crimes
- 6.6 E-commerce/Investment Frauds
 - 6.6.1 Sales and investment frauds
- 6.7 Sales of Illegal articles
- 6.8 defamation(Cyber smearing)
- 6.9 cyber stalking

Reference Books:

1. E-commerce Strategies --- Charle s Trepper
2. E- Commerce an Indian Perspective—Joseph- PHI
3. Electronics Commerce : A Managerial Prespective – Efraim Turban, Jae Lee
- 4 Cyber Crime in India ---- Dr M Dasgupta
- 5 Cyber Law and Crimes – BarkhaU, Rama Mohan
- 6 Cyber Laws Law---Dr Sarla Gupta
- 7 Email Hacking - Ankit Fadia
- 8 Ethical hacking Guide to Corporate Security—ankit Fadia

VEER NARMAD SOUTH GUJARAT UNIVERSITY
Proposed Syllabus For S.Y. Bsc.
COMPUTER SCIENCE
Semester 3

Paper :IDS: COMPUTERISED ACCOUNTING : CAN Course

With Effect From July - 2012.

- 1. Introduction to Accounting System**
 - 1.1 Meaning & Definition of Accounting
 - 1.2 Objectives of Accounting
 - 1.3 Concepts and Features of Book Keeping
 - 1.4 Branches of Accounting (Financial Management, Cust)
 - 1.5 Basis of Accounting (Accrual Bases, Cash Bases)

- 2. Accounting Concepts**
 - 2.1 Accounting Concept
 - 2.2 Accounting Equation Concept
 - 2.3 Accounting Period Concept
 - 2.4 Concept of Matching Realization Accrual

- 3. Accounting Equation & Transaction Analysis**
 - 3.1 Introduction to Assets, Liabilities, Equities
 - 3.2 Concepts of Transaction Analysis
 - 3.3 Classification of Accounts (Real Account, Personal Account, Nominal Account)

- 4. Concepts of Book-Keeping**
 - 4.1 Introduction of Single Entry System and its advantages/disadvantages
 - 4.2 Introduction of Double Entry System and its advantages
 - 4.3 Types of Business Transaction
 - 4.3.1 Cash Transaction
 - 4.3.2 Credit Transaction
 - 4.3.3 Barter Transaction

- 5. Journal & Subsidiary Books (With Preliminary examples)**
 - 5.1 Meaning of Journal
 - 5.2 Format of Journal
 - 5.3 Concept and format of cash Book
 - 5.4 Concept and format of Petty cash Book

- 6. Concept of Accounting Mechanism**
 - 6.1 Meaning and Definition of Ledger
 - 6.2 Types of Ledger
 - 6.3 Concepts of posting Bank Reconciliation Statement
 - 6.4 Trial Balance and its objectives
 - 6.5 Concepts of Suspense Account

- 7. Application of Accounting Using Accounting Package**
 - 7.1 Creation of Company
 - 7.2 Voucher Printing Entry
 - 7.3 Alteration, Deletion of Vouchers
 - 7.4 Types of Voucher entry (Receipt, Payment, Contra, Purchase, Sales, Journal, Physical Stock, Reversing Journal)
 - 7.5 Generating Trial Balance

- 7.6 Maintaining Account Books & Reports
 - 7.6.1 Cash Book, Bank Book, Ledger
 - 7.6.2 Sales Register, Purchase Register
 - 7.6.3 Day Book, Inventory Book, Stock Summary
 - 7.6.4 Balance Sheet

Reference Books:

1. Accounting for Management – By Dr. Hawaharlal
2. Financial Management - By Dr. S.N. Maheshwari
3. Accounting for Management – By S.K. Bhattacharya & John Deardon
4. Advanced Accountancy – By S.P. Jain & K.I. Narang
5. Implementing Tally 6.3 – By K.K. Nathani – BPB Publication
6. Implementing Tally 7.2 – By A.K. Nathani & K.K. Nathani BPB Publication