SRI VENKATESWARA UNIVERSITY : TIRUPATI

Table-6: B.A/B.Sc (Computer Applications): Semester – VI

Sl. No.	Course	Name of the subject	Total Marks	Mid. Sem. Exam	Sem. End Exam	Teaching Hours**	Credits
1.	DSC 1 G	**e-Commerce Applications**	100	25	75	4	4
		Practical's	50		50	2	2
4.	Elective-DSC 1 H/Inter-disp./Gen. Elec.	**Cluster electives :**					
		Elective : 1					
		e-Payments System	100	25	75	4	4
		Practical's	50		50	2	2
5.	Elective-DSC 2 H/Inter-disp./Gen. Elec.	Advanced Java Script	100	25	75	4	4
		Practical's	50		50	2	2
		Project work	100		100	5	5
6.	Elective-DSC 3 H/Inter-disp./Gen. Elec.	**Elective : 2**					
		e- Payment System					
		Practical's					
		Tally					
		Practical's					
		Project work					
Total			550	75	475	18	22
Grand Total							

Note: elect any one from the cluster electives

SEMESTER – VI DSC; E-Commerce

DSC G 6.1 E-COMMERCE APPLICATIONS

Unit-I: e-Commerce Framework: Traditional vs. e-Business Applications - Anatomy of e-Commerce Applications – Present day trends.

Unit-II: Network Infrastructure of e-Commerce: Components of the I-way - Global information distribution networks - Public policy issues - Internet as a network infrastructure - Business of the internet commercialization.

Unit-III: Network Security: Client server network security - Firewalls and Network security - data and message security - Encrypted documents and Electronic mail.

Unit-IV: Electronic Commerce and World Wide Web: Consumer oriented E-commerce, Electronic payment systems, Electronic data interchange (EDI), EDI applications in business, EDI and E-commerce EDI implementation.

Unit-V: Intra-organizational e-Commerce: e-Commerce catalogs, Document Management and Digital libraries – Managing Supply Chain through e-Platform.

Reference:

1. R. Kalakota and A. B. Whinston, Frontiers of Electronic Commerce, Addison Wesley.

2. David Kosiur, Understanding Electronic Commerce, Microsoft Press.

3. Soka, From EDI to Electronic Commerce, McGraw Hill.

4. Saily Chan, Electronic Commerce Management, John Wiley.

B.Com (CA)/B.A/B.Sc (CA) DEGREE EXAMINATION

MODEL QUESTION PAPER

VI SEMESTER

PAPER: E- COMMERCE APPLICATIONS

Time:3 Hours **Max. Marks: 75**

SECTION-A

Time :3.00 Hours **Marks 5X3=15**

1. **Answer any five questions from the following. Each question carries 3 marks**

a. Define E-Commerce
b. Electronic marketing
c. Online payment
d. Smart card
e. Authentication
f. Encryption
g. WWW
h. Networking
i. Browsing
j. Online meeting

SECTION –B

Answer one question from each unit. Each question carries 12 marks (5x12=60)

UNIT-I

2.Explain merits and demerits of E-Commerce

(OR)

3.Explain different business models of E-Commerce

UNIT-II

4. explain the various components of I – way/

(Or)

5. What is internet explain the infrastructure of Inter net

UNIT-III

6.Explain the types of Encryption.

(OR)

7. Explain the functionality of firewall in detail.

UNIT-IV

8.What do you understand by online payment system

(OR)

9.What is meant by EDI? Explain uses and limitations of EDI

UNIT-V

10.Write about Supply Chain management.

(OR)

11.Explain digital and document management

B.A(CA)/B.Sc(CA) Cluster Elective :1

6.4: Advanced JavaScript JQUERY/AJAX/ JSON/Angular JS

COURSEOBJECTIVE:

To impart knowledge in designing a web page in a structured way by using advanced java scriptie., using different scripting languages.

COURSEOUTCOMES

On completing the subject, students will be able to: create a dynamic web site using advanced features of JavaScript and create a website with good and attractive design

UNIT I

J Query–Basics: String, Numbers, Boolean, Objects, Arrays, Functions, Arguments, Scope, Built-in Functions. J Query–Selectors: CSS Element Selector, CSS Element ID Selector, CSS Element Class Selector, CSS Universal Selector, Multiple Elements E, F, G Selector, Call back Functions. J Query–DOM Attributes: Get Attribute Value, Set Attribute Value. J Query – DOM Traversing: Find Elements by index, Filtering out Elements, Locating Descendent Elements, J Query DOM Traversing Methods.

UNIT II

J Query–CSS Methods: Apply CSS Properties, Apply Multiple CSS Properties, Setting Element Width & Height, J Query CSS Methods. J Query–DOM Manipulation Methods: Content Manipulation, DOM Element Replacement, Removing DOM Elements, Inserting DOM elements, DOM Manipulation Methods. J Query– Events Handling: Binding event handlers, Removing event handlers, Event Types, The Event Object, The Event Attributes. J Query– Effects: J Query Effect Methods, j Query Hide and Show, j Query Toggle, j Query Slide–slide Down, slide Up, slide Toggle, j Query Fade–fade In, fade Out, fade To, j Query Custom Animations

UNIT III

Intro to **j Query UI**, Need of j Query UI in real websites, Downloading j Query UI, Importing j Query UI, Drag gable, Droppable, Resizable, Selectable, Sortable, Accordion, Auto Complete, Button Set, Date Picker, Dialog, Menu, Progress Bar, Slider, Spinner, Tabs, Tooltip, Color Animation, Easing Effects, add Class, remove Class, Effects, j Query UI themes, Customizing j Query UI widgets/plug-ins, j Query UI with CDN, Consuming j Query Plug-ins from 3rd party web sites j Query Validations, Intro to j Query validation plug-in, Using j Query validation plug-in, Regular expressions.

UNIT IV

Intro to AJAX, Need of AJAX in real web sites, Getting data base data using j Query-AJAX, Inserting, Updating, Deleting database data using j Query-AJAX Grid Development using j Query-AJAX Intro to **JSON**JSON syntax, Need of JSON in real websites, JSON object, JSON array, Complex JSON objects, Reading JSON objects using j Query.

UNIT V

Intro to **Angular JS,** Need of Angular JS in real websites, Downloading Angular JS, Angular JS first example, Angular JS built-in directives, Angular JS expressions, Angular JS modules, Angular JS controllers, Angular JS scope Angular JS dependency injection Angular JS, boots trapping Angular JS data bindings, Angular JS$ watch, Angular JS filters, Angular JS events, Angular JS AJAX, Ng-repeat, Angular JS with js on arrays, Angular JS registration form and login form, Angular JS CRUD operations, Angular JS Animations, Angular JS validations ϖ Angular JS$q, Angular JS custom values, Angular JS custom factories, Angular JS custom services, Angular JS custom directives, Angular JS custom providers, Angular JS Routing, Angular UIR outing.

REFERENCEBOOKS

1. jQueryUI1.8:TheUserInterfaceLibraryforjQuerybyDanWellman
2. j Query Fundamentals by RebeccaMurphey
3. Ajax: The Complete Reference by Thomas A. Powell
4. Pro Angular JS by Adam Freeman Kindle Edition

STUDENTACTIVITY:

1. Creation of web site for a small scale company
2. Creation of website for a student database

MODEL QUESTION PAPER
(CHOICE BASED CREDIT SYSTEM)
B.A/B.Sc (Computer Applications)
6.4. Advanced Java Script JQUERY/AJAX/JSON/Angular JS

Time:3 Hrs | Max Marks:75

SECTION – A

Answer any FIVE questions **5X3=15**

1. What is J Query?
2. MVC
3. What are attributes in J Query?
4. Define J Query slide effect?
5. Use of jQuery filter?
6. What is Ajax in jQuery?
7. What are the DOM & BOM?
8. What are the advantages of Ajax?

SECTION – B

Answer any ONE question from each unit. **5X12=60**

Each question carries 12 marks

UNIT - I

9. What are Selectors in J Query and how many types of Selectors are there?

Or

10. Define DOM? Explain briefly about DOM Traversing in j Query?

UNIT – II

11. What are the DOM Manipulation Methods in J Query?

Or

12. Explain the Event Handling in J Query?

UNIT – III

13. What is the usage of J Query UI?

Or

14. Define CDN? What are the types of CDN?

UNIT – IV

15. What is JSON? Explain the need of JSON in real websites?

Or

16. What are various methods to make Ajax request in J Query?

UNIT – V

17. Explain data binding in Angular JS?

Or

18. What are the features of Angular JS?

IIIYEAR B.A(CA)/B.Sc (CA): VI SEMESTER

Electives : Advanced Java Script JQUERY/AJAX/ JSON/Angular JS

Practical's:

1. Using j Query find all text areas, and makes a border. Then adds all paragraphs to the j Query object to set the irbordersred.

2. UsingjQueryaddtheclass"w3r_font_color"andw3r_backgroundtothelastparagraphelement.

3. Using j Query add an ew class to an element that already has a class.

4. Using j Query insert some HTML after all paragraphs.

5. Using j Query insert a DOM element after all paragraphs.

6. Convert three headers and content panels into an accordion. Initialize the accordion and specify the animate option

7. Convert three headers and content panels into an accordion. Initialize the accordion and specify the height.

8. Create a pre-populated list of values and delay in milliseconds between a keys trokeoccurs and as earchis performed.

9. Initialize the button and specify the disable option.

10. Initialize the button and specify an I con on the button.

11. Initialize the button and donot show the label.

12. Create a simple jQuery UID atepicker. Now pick a date and store it in atext box.

13. Initializethedatepickerandspecifyatexttodisplayfortheweekoftheyearcolumnheading.

VI SEMESTER-B.A(CA)/B.Sc(CA)
(CHOICE BASED CREDIT SYSTEM)
E-PAYMENTS SYSTEM

Unit-I: e-Cash and Virtual Money: Electronic Data Interchange (EDI) - NEFT/RTGS/Electronic Payment modes - Foundations of e-Cash and Issues; Security, Anonymity, Intractability, Virtual currencies, Bit coin.

Unit-II: Automated Clearing and Settlement: Process of Real Time Gross Settlement System - Net Settlement -ATM Networks – Fed wire, CHIPS and SWIFT.

Unit-III: e-Payment Security and Digital Signature: Cryptographic Methods - Hash functions - Public/Private Key methods: RSA - Digital Signatures - Certification Process - Digital identity Documents and Remote Authentication.

Unit-IV: **Mobile Payments:** Wireless payments, Digital Wallets, Google Wallet – Obopay - Security Challenges.

Unit-V: Electronic Invoice and Payment System: Electronic Statement Delivery - EIPP providers - Biller service providers - Customer service providers - Reconciliation through Bank -Invoice Paper elimination - Scan-based trading (SBT).

References:

1. Domonique Rambure and Alec Nacamuli, "Payment Systems: From the Salt Mines to the Board Room", Palgrave MacMillan.
2. Weidong Kou, *"Payment Technologies for E-Commerce"*. Springer, Germany.
3. Donal O'Mahony, Michael Peirce and Hitesh Tewari, "Electronic Payment Systems", Artech House, Inc.
4. M. H. Sherif, Protocols for Secure Electronic Commerce, Boca Raton, Fla, CRC Press.

MODEL QUESTION PAPER

VI SEMESTER-B.COM (CA)/ B.A;B.Sc(CA)

(CHOICE BASED CREDIT SYSTEM)

E –PAYMENT SYSTEM

Time: 3 Hrs **Max Marks: 75**

SECTIONS –A

1. **Answer any FIVE questions, each question carries 3 marks** **5 X3=15**

a. Electronic Data Interchange (EDI)
b. Fed wire
c. E- Cash
d. Digital Signature
e. Online Payment
f. Payment Wallet
g. Electronic Statement Delivery
h. ATM

SECTION – B

Answer any ONE question from each unit.
Each question carries 12 marks **5X12 =60**

Unit-1

2. Explain about E-Cash? What are the issues to arising in E-Cash system?

Or

3. Explain about different types of electronic payment modes?

Unit -2

4. Describe the process of real time gross settlement system?

Or

5. Write an essay on CHIPS and SWIFT?

Unit- 3

6. Explain the methods of cryptography?

Or

7. Explain the functions of digital signature?

Unit- 4

8. Write the importance of wireless payments system in nowadays?

Or

9. Explain digital wallets and its types?

Unit- 5

10. Describe the biller service providers?

Or

11. Explain about scan based trading?

B.A/B.Sc Computer Applications DEGREE COURSE – III YEAR

SEMESTER – VI – PROJECT WORK

Marks: Project work–70+Viva-voce-30 marks

Objectives

1. To impart skills among the students to write a report of their choice in a given area / field.
2. To enable the students to develop necessary insights into the practical field by making use of functional knowledge of different areas attained in the previous years.

Internship

During the summer vacation, at the end of the second year, students have to undergo an internship for one month with companies and other Business organizations (including Chartered Accounting Firm).

The student should submit a brief report not exceeding 10 pages on learnings of internship and a certificate from the organization, along with the project work.

Project Work Guidelines

The students have to submit a Project report on a selected topic of their choice, selecting from the broad areas of their curriculum, guided by a Faculty member.

The students are expected to prepare a project report on a selected topic that should comprise of 50 to 80 pages. The project report is to be valued by the External Examiners suggested by the Board of Studies in Commerce. The project report is to be submitted at the college by 31st December of the year.

B.A(CA)/B.Sc(CA) Cluster Elective :2

B.A. / B.Sc. COMPUTER APPLICATIONS

TALLY

Unit-I: Tally: Features of Tally accounting – Components of Gateway of Tally – Company creation – Creation of groups - Creation, display, and alteration of multiple and single ledgers – Various types of vouchers – Creation and alteration of vouchers – Configuration and print of financial statements and other reports, documents and vouchers.

Unit II: Tally Inventory - Configuration – Creation, display, and alteration of inventory masters – Recording various inventory vouchers – Display and print of inventory reports – Lab exercises.

Unit-III: GST: Enabling Tally for GST – Features and Classification of GST – Exemptions from GST – Exports and imports – Inter-state purchases and sales (IGST) – Lab exercises.

Unit-IV: TDS: Creation of ledgers and vouchers – Advance and balance payments of Tax – Generation of TDS reports – Enabling Service tax - Creation of ledgers and recording of vouchers – Lab exercises.

Unit-V: Payroll: Payroll features - Enabling payroll – Creation of Pay head ledgers – Creation of employee masters and pay roll voucher and attendance voucher – Display and print of various payroll reports - Lab exercises.

REFERENCE BOOKS: 1. Nadhani, A.K. and Nadhani, K.K. Implementing Tally 7.2 BPB Publication, New Delhi.

2. Kiran Kumar, K.Tally 9, Laasya Publishers, Hyderabad

3. Fire wall media, Tally 9.

4. Vishnu Priya Singh, tally 9, Computech Publications Ltd, New Delhi.

5. Sharma, KVS, Statistics mode simple, do it yourself and PC, Prentice Hall of India Pvt. Ltd., New Delhi

6. Goods and Services Tax, Himalaya Publishing House.

MODEL QUESTION PAPER

Third Year B.com - VI semester

TALLY

Time: 3hrs Max Marks: 75

I. Answer any **five** question from the following : 5X3=15

a) Accruals
b) Accrual Accounting
c) Audit Trail
d) what is meant by balance sheet
e) Double-Entry Bookkeeping
f) explain the Payroll
g) COMPANY CREATION
h) voucher entry

II. Answer any **one** question for the **each unit** from the following: 5X12=60

UNIT-I

1. Explain the company creation process in tally software? And write a note on company alteration and deletion in tally?

(OR)

2. Explain the single and multiple Group creation process in tally software? How to create sub Groups?

UNIT-II

3. Explain the inventory voucher creation and alteration process of inventory masters?

(OR)

4. Explain the Display and print of inventory reporting process?

(OR)

UNIT-III

5. Write the GST Ledger creation process in tally?

(OR)

6. Write the Features and Classification of GST in tally? Explain the Exemptions of GST?

UNIT-IV

7. Explain the TDS ledger and voucher creation process in tally?

(OR)

8. How to generate TDS reports in tally? And Explain enabling process of serves tax in tally?

UNIT-V

9. Write the Payroll features? And Creation of Pay head ledgers?

(OR)

10. Write the employee masters and payroll vouchers in tally?

E-PAYMENTS SYSTEM

Unit-I: e-Cash and Virtual Money: Electronic Data Interchange (EDI) - NEFT/RTGS/Electronic Payment modes - Foundations of e-Cash and Issues; Security, Anonymity, Untraceability, Virtual currencies, Bitcoin.

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MODEL QUESTION PAPER

VI SEMESTER-B.COM (CA)/ B.A;B.Sc(CA)

(CHOICE BASED CREDIT SYSTEM)

E –PAYMENT SYSTEM

Time: 3 Hrs **Max Marks: 75**

SECTIONS –A

1. **Answer any FIVE questions, each question carries 3 marks** **5 X3=15**

a. Electronic Data Interchange (EDI)
b. Fed wire
c. E- Cash
d. Digital Signature
e. Online Payment
f. Payment Wallet
g. Electronic Statement Delivery
h. ATM

SECTION – B

Answer any ONE question from each unit.
Each question carries 12 marks **5X12 =60**

Unit-1

2. Explain about E-Cash? What are the issues to arising in E-Cash system?

Or

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Unit -2

4. Describe the process of real time gross settlement system?

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6. Explain the methods of cryptography?

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Unit- 4

8. Write the importance of wireless payments system in nowadays?

Or

9. Explain digital wallets and its types?

Unit- 5

10. Describe the biller service providers?

Or

11. Explain about scan based trading?

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