

NAGARJUNA GOVERNMENT COLLEGE,

(AUTONOMOUS)

NALGONDA

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(Re Accredited by NAAC with "A" Grade)

BOARD OF STUDIES MEETING

DEPARTMENT OF COMPUTER APPLICATIONS

B.COM (COMPUTER APPLICATIONS)

2016-17

NAGARJUNA GOVERNMENT COLLEGE: NALGONDA

(Autonomous)

DEPARTMENT OF COMPUTER APPLICATIONS


B.COM-COMPUTER APPLICATIONS


BOARD OF STUDIES

2016-17

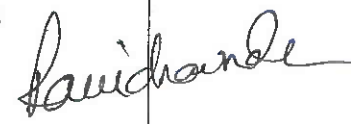
Board of Studies in the Department of B.COM – Computer Applications has been constituted with the following members for the year 2016-17.


S.No	Category	Name and Designation
1	Chairman Board of Studies Nagarjuna Govt College (Autonomous), Nalgonda	Sri Y V RAMA RAO Department of Computer Applications In-Charge Dept of Computer Applications, N.G. College.
2	University Nominee	* D.V.SANDHYA RANI, Asst. prof., M.G.U., Nalgonda
3	Subject expert- from outside the college	Sri. Inna Reddy Lecturer in Computer Applications Govt City College, Hyderabad
4	Subject expert- from outside the college	Sri. RAVI Chandra Lecturer in Computer Applications BJR Degree College, Nampally Hyderabad.

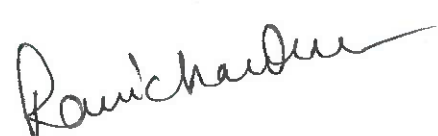

LECTURER
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NALGONDA


Assistant Professor
Dept. - Computer Science & Infor
UCE & T.M.G.U., Nalgonda..






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NALGONDA.



MEETING AGENDA

- To consider and approve the syllabus of B.Com (Computer Applications) of I/II/III B.COM (Computer Applications) for I to VI semester during 2016-17.

I,II,III-YEARS (I-VI-Semesters) : CBCS-CGPA Grading System of Evaluation for 2016-17.

I-YEAR (I & II-Semesters) : Introduction of New Syllabus with CBCS System.

- To consider and approve the introduction of Internal Assessments as specified below:-

- For I,II,III-YEARS (I-VI Semesters) for Each Semester

Evaluation	Marks	Remarks
Total Marks	100-Marks	
Sem-End Marks	70-Marks	
Internal Evaluation	20-Marks	Best of 2-Internals out of 2-Internals
Assignments	5 Marks	
Seminar	5-Marks	
Practical Exam	50-Marks	

- To Consider and Approve the NEW BCOM Computer Applications CCA Course & Syllabus with CBCA System of Study from the Academic Year 2016-17 onwards.
- To Consider and Approve the OLD CBCS BCOM Computer Applications Course & Syllabus with CBCA System of Study from the Academic Year 2014-15 onwards.
- To consider and approve the Model Question Papers for 2016-17.
- To consider and approve the List of Examiners for Paper Settings, and Evaluation etc., (3 for each paper) of I to VI Semester during 2016-17.

Z. S. K. S.

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Assistant Professor
Dept.- Computer Science & Informatics
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P. S. Raju

P. S. Raju

- To Consider and Approve the General Electives for BCOM-CA Course for various Computer Subjects for 2016-17
- To Consider and Approve the CBCS GRADES for BCOM-CA Course for various Computer Subjects for 2016-17
- To Consider and Approve the Certificate Courses Offered by Department of Computer Applications for 2016-17

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Pranj
Assistant Professor
Dept. - Computer Science & Informatics
Nagarjuna Govt. College,
Nalgonda.

Prashant

RESOLUTIONS

The members of Board of studies in Computer Applications Department, For B.COM-COMPUTER APPLICATIONS in N.G.College, Nalgonda met under the chairmanship of Sri Y V RAMA RAO on _____ and passed the following resolution.

AGENDA :

- 1) To Consider and Approve the Syllabus for B.COM I,II,III Years (I, II, III, IV,V &VI Semesters) for 2016-17.
- 2) To Consider and Approve the introduction of Internal Assessment for the students Admitted into I,II & III years degree course during 2016-17.
- 3) To Consider and Approve the Model Question Paper for B.COM I,II,& III Years During the year 2016-17.
- 4) To Consider and Approve the List of Examiners for Paper Setting, Evaluation for B.COM . I,II & III Year (I,II,III,IV,V & VI Semester) during 2016-17
- 5) Any other related academic matters.

RESOLUTIONS:

1. The Syllabus for B.COM I,II & III years (I,II,III,IV,V&VI Semester) During 2016-17 is Approved Unit Wise.
2. Introduction of Internal Assessment for 30% is approved.
3. The Model Question Papers for B.COM I,II & III year (I,II,III,IV, V&VI Semester) is approved as shown below:

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P. S. Raju
Assistant Professor

Dept. - Computer Science & Informatics
UCE & T M.G.U., Nalgonda.. (T.S.)

P. S. Raju

RESOLUTIONS

The following Resolutions were unanimously adopted in the Staff Meeting held on _____.

- ❖ To constitute the BOS in the Department conduct the meeting of BOS for the year 2016-17, and submit the resolutions to the Academic Council on or before _____.
- ❖ Unitization of Syllabus into V-Units in Each Semester
- ❖ To Conduct the Internals as specified under.

For I,II-Years, Semesters-I/II/III/IV ie for the Year 2014-15, Two Internals were Conducted for 20-Marks each and the Best of two will be consider in Descriptive mode of exam.

For III-Year, ie.for Semesters-V/VI, Two Internals for 7-Marks each will be taken and the best of two will consider.

- ❖ It is compulsory to a student to pass in internal exam and to pass in internal assignment one has 40% marks in each subject/paper
- ❖ **SEMESTER-END Exams:**

Year	Semesters	Semester-End Exam Marks	Practical Exam (Year End)	Remarks
I,II-Year	Semesters-I,II,III,IV	70-Marks for Each Semester from 2014-15	50-Marks	From 2014-15 New Admitted Batch
III-Year	Semesters-V/VI	28-Marks	30-Marks	For 2013-14 Batch

- ❖ To pass end exam one has to get a minimum of 40% of marks in each subject/paper, Assignments, Seminars, & In Internal Evaluations.
- ❖ To conduct I Internal in the Last week of August and II Internal in the Last week of 2015.

- ❖ **EVALUATION SYSTEM (Semester Wise)**

R. Raju
Assistant Professor
Dept. - Computer Science & Informatics
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LEKSHMI
Nagarjuna Govt. College,
NALGONDA.

Ravi Chandra

YEAR	SEMESTERS	TOTAL MARKS	SEM-END EXAM	INTERNAL ASSESSMENT	ASSIGNMENTS / SEMINAR	PRACTICAL EXAMS
I,II-YEAR 2016-17	SEMESTERS-I,II,III,IV	100 Marks	70 Marks	20 Marks (2-INTERNALS with Average)	ASSIGNMENT 5 MARKS SEMINAR 5 MARKS	50 MARKS
III-YEARS 2013-14	SEMESTERS-V,VI	35 Marks	28 Marks	7 Marks (2-Internals with Best of two)	---	30 Marks

❖ *Question Papers Design:-*

For I,II-Years (for 70-Marks)	2014-15 & 2016-17 Admitted Batch	Very- Short Answer Q.	10x2=20 M	No-Choice
		Short Answer Q.	5x4=20 M	Internal Choice
		Essay/Long Answer Q.	3x10=30 M	3 Out of 5Q
		No. of UNITS of Syllabus	5-Units	

For /III-Years For 40-Marks	2013-14 Admitted Batch	Short Answer Q. 4 Out of 6	4x2=8	With Choice
		Essay/Long Answer Q.	5x4=20 M	Internal Choice
		No. of UNITS of Syllabus	5-Units	

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P. Sai

Assistant Professor
Dept. - Computer Science & Informatics
UCE & T.M.G.U., Nalgonda (T.S.)

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NAGARJUNA GOVT. DEGREE COLLEGE, NALGONDA
(AUTONOMOUS)
2016-17

INTRODUCTION OF CBCS-CGPA SYSTEM FROM 2014-15 YEAR
(For I,II-Year Students)

CBCS is a Credit Based Choice System to allocate different Credits for Different Courses along with giving Choices to students to select one or more Electives for various courses (Modules), which is introduced by Commissionerate of Collegiate Education, Hyderabad in 2014-15.

➤ **Tentative Scheme of Evaluation (Semester-Wise)**
(For Arts & Commerce)

Max. Marks	100	
Each END-Semester	70	Semester-Wise
Internal Assessment	20	2-Internals, taking Average
Co-Curricular Activities Assignments	5	Assignments given to students
Co-Curricular Activities Seminar	5	Seminars By Students

➤ **Allocation of Credits:-**

Description	Marks	Credits Assigned
For Core Subject	100 Marks Theory Module/Paper	3 Credits
Core Subject+Practicals	70 M + 30 M	3+1=4 Credits
Project Work	100 M	1 Credit (4 th -Sem)
Extra Curricular Activities	NSS/NCC etc.	1 Credit/Year
For Electives	100 M	2 Credits

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Ravi

Assistant Professor

Dept. - Computer Science & Informatics
UCE & T.M.G.U., Nalgonda (A.S.)

Ravi

➤ ALLOCATION OF CREDITS AT SUBJECT LEVEL

Sno	Subject	MODULE /PAPER	HOURS	MAXMARKS	CREDITS
1	Core Subject	-----	4	100	3
2	CORE	-----	6	100 (70+30)	3
3	CORE	-----	5	100 (70+30)	2
4	CORE	-----	4	100 (70+30)	3

➤ SUBJECT-Wise CGPA Calculation:-

Semester	Paper	Max.Marks (100)	Marks Scores	GS	Credits CR	GP GS X CR
Sem-1	T-I	100	43	4.3	3	12.9
Sem-2	T-II	100	54	8.4	3+1	33.6
	P-I	50	34			
Sem-3	T-III	100	54	5.4	3	16.2
Sem-4	T-IV	100	45	8.7	3+1	34.8
	P-II	50	42			
SEM-5	T-V	100	67	6.7	3	20.1
SEM-6	T-VI	100	65	9.7	3+1	38.8
	P-III	50	32			

GS : Grade Score
 Credit : No. of Credits to Subject
 GP ; Grade Points (GP = GS X CRs)

CGPA = Total GP / Total Credits

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Ravi
Assistant Professor
 Dept. - Computer Science & Informatics
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**CBCS GRADES /
CBCS GRADING SYSTEM /
GRADE SHEETS**

NAGARJUNA GOVT. DEGREE COLLEGE, NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS

B.COM – COMPUTER APPLICATION
SUBJECT WISE CBCS CREDITS LIST

FOR 2016-17 ACADEMIC YEAR

[FOR CURRENT YEAR]

WITH NEW CBCS & NEW SYLLABUS for I-YEAR
AND
OLD CBCS & OLD SYLLABUS for II-YEARS

Sno	YEAR/ Semester	Module (Paper)	Hours (HPW)	Max. Marks	Credits
1	I-YEAR / I-SEM Core-1 & 2 CBCS-NEW SYLL	Information Technology	4T+2P Hrs	100 M + 50 M	3
2	I-YEAR / II-SEM Core-3 & 4 CBCS-NEW SYLL	C-Language	4T+2P Hrs	100 M + 50 M	3+1
3	II-YEAR / III-SEM Core-5 CBCS-OLD SYLL	RDBMS-1	2T+2P Hr	100 M	3
4	II-YEAR/IV-SEM Core-6 CBCS-OLD SYLL	RDBMS-2	2T+2P Hr	100 M + 50 M	3+2
5	III-YEAR/V-SEM Core-7 & 8 OLD-SYLL	WEB PROGRAMMING-1 & E-COMMERCE-1	3T+2P Hrs	100 M	--
6	III-YEAR/VI-SEM Core-9 & 10 OLD-SYLL	WEB PROGRAMMING-2 & E-COMMERCE-2	3T+2P Hrs	100 M + 30 M	--
7	GENERAL ELECTIVE [IN II-YEAR ENDING- IV SEM]	FUNDAMENTALS OF E-COMMERCE	3T+2P Hrs	100 M + 50 M	2 +1
	TOTAL CREDITS				

P. S. Rao
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DEPARTMENT OF COMPUTER APPLICATIONS
(B.COM – COMPUTER APPLICATIONS)

PANEL OF EXAMINERS / PAPER SETTERS

1. Sri K. Someswara Rao
Bhadruka College
Hyderabad.
2. Sri. Inna Reddy
Lecturer in Computer Applications
City College,
Hyderabad
3. Sri. RAVI Chandra
Lecturer in Computer Applications
BJR Degree College,
Nampally
Hyderabad.

Ravi Chandra

Inna Reddy
Assistant Professor
Dept. - Computer Science & Informatics
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NALGONDA

Ravi Chandra

DEPT., OF COMPUTER APPLCATIONS (B.COM-COMPUTER APPLICATIONS)

Nagarjuna Govt. College: Nalgonda

LIST OF EXAMINERS/PAPER SETTER/EVALUATIONS


No.	Subject Name	Name of the faculty	Cell No.	Address
1	Fundamentals of Information Technology	K Someshawar Rao	9949495712	Badruka Degree College, Kachiguda, Hyd
		Brinda	9849527036	Wesley College for Women Sec bad
		K Rishitha Reddy	9441421968	A.V College Domalguda Hyd
		Sopan Kashinath	9985286118	Railway Degree College Sec bad
		5. Madhava Reddy	9849815984	Meghana Degree College, Moosarambagh, Hyd
2	Fundamentals of C	1. Madhava Reddy	9849815984	Meghana Degree College, Moosarambagh, Hyd
		2. B Vinod Babu	9848258287	Badruka Degree College, Kachiguda, Hyd
		3. K Rishitha Reddy	9441421968	A.V College Domalguda Hyd
		4. Brindha	9849527036	Wesley College for Women Sec bad
		5. Manga Vani	9849731793	Kasthurba Gandhi College, Marepally, Secabad
3	Bussiness Information System	1. K Laxmi	9866653190	Vivekananda Govt. Degree College, Vidya Nagar, Hyd.
		2. Brinda	9849527036	Wesley College for Women Sec bad
		3. K Rishitha Reddy	9441421968	A.V College Domalguda Hyd
		4. Sandhya Rani	9440012205	Nizam College Hyd
		5. G.P Sasthry		St. College for Women Malkaigiri Secbad
4	RDBMS	B.Vinod Babu	9848258287	Badruka College Kachiguda Hyd
		2. Madava Reddy	9849815984	Meghana Degree College, Moosarambagh, Hyd
		3.Prabhusahai		Moosarambagh Hyd LN Guptha College Pathargatti Hyd
		4.Sathanarayana	9866260143	IIMC Khirathabad Hyderabad
		5 Mangavani	9849731793	Kasturbha Gandhi college West Maredpally Hyd

Assistant Professor
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Ravichandru

5	Web Programming	1. Esther		Wesly College Secbad
		2. Manga Vani	9849731793	Kasthurba Gandhi College, Marepally, SecabadSecbad
		3. K Rishtha Reddy	9441421968	A.V College Domalguda Hyd
		4. A Sandeep	040-27992458	S.P College Padma Rao Nagar Secbad
		5. Satyanarayana	9866260143	I.I M.C Khirathabad
6	E-Commerce	1. Esther		Wesly College Secbad
		2. Manga Vani	9849731793	Kasthurba Gandhi College, Marepally, SecabadSecbad
		3. K Rishtha Reddy	9441421968	A.V College Domalguda Hyd
		4. A Sandeep	040-27992458	S.P College Padma Rao Nagar Secbad
		5. Satyanarayana	9866260143	I.I M.C Khirathabad


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SIGNATURES

1. Sri Y.V RAMA RAO ,
In-Charge, Dept of Computer Applications
N.G. College.
Nalgonda.

Chairman Board of Studies


LECTURER
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NALGONDA.

2. Dr. SANDHYA RANI
Chairman Board of Studies,
In-Charge Dept of _____
Dept of Computers
Mahatma Gandhi University
Nalgonda.

Hon'ble Member


Assistant Professor
Dept. - Computer Science & Informatics
UCE & T M.G.U., Nalgonda.. (T.S.)

3. Sri Inna Reddy
Govt CITY College
Hyderabad


Subject Expert



4. Sri Ravi Chandra
BJR Govt Degree College
Nampally, Hyderabad

Subject Expert




Assistant Professor
Dept. - Computer Science & Informatics
UCE & T M.G.U., Nalgonda.. (T.S.)


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BOS 2016-17

**DEPARTMENT OF COMPUTER APPLICATIONS
B.COM – COMPUTER APPLICATIONS**

SYLLABUS, MODEL QUESTION PAPERS

DEPARTMENT OF COMMERCE, O.U.

Structure of B.Com (Computer Application) (CBCS) for Osmania University,
Hyderabad. (w.e.f. Academic Year 2016-17)

B.COM (Computer Applications) PROGRAMME

FIRST YEAR:					
SEMESTER-I					
Sl.No.	Code	Course Title	Course Type	HPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)
1.	BC101	A/B/C/D	AECC-1	2	2
2.	BC102	English	CC-1A	5	5
3.	BC103	Second Language	CC-2A	5	5
4.	BC104	Financial Accounting - I	DSC-1A	5	5
5.	BC105	Business Economics	DSC-2A	5	5
6.	BC106	Business Organization	DSC-3A	4	4
7.	BC107	Information Technology	DSC-4A	3T+2P	4
		Total		31	30
SEMESTER-II					
8.	BC201	A/B/C/D	AECC-2	2	2
9.	BC202	English	CC-1B	5	5
10.	BC203	Second Language	CC-2B	5	5
11.	BC204	Financial Accounting - II	DSC-1B	5	5
12.	BC205	Managerial Economics	DSC-2B	5	5
13.	BC206	Principles of Management	DSC-3B	4	4
14.	BC207	Relational Database Management Systems	DSE-2B	5	5
		Total		30	30
SECOND YEAR:					
SEMESTER-III					
15.	BC301	Principles of Insurance Business	SEC-1	2	2
16.	BC302	English	CC-1C	5	5
17.	BC303	Second Language	CC-2C	5	5
18.	BC304	Advanced Accounting	DSC-1C	5	5
19.	BC305	Income Tax-I	DSC-2C	5	5
20.	BC306	Business Statistics-I	DSC-3C	4	4
21.	BC307	Programming with C	DSE-2A	5	5
		Total		31	30
SEMESTER-IV					
22.	BC401	Practice of Life Insurance	SEC-2	2	2
23.	BC402	English	CC-1D	5	5
24.	BC403	Second Language	CC-2D	5	5
25.	BC404	Corporate Accounting	DSC-1D	5	5
26.	BC405	Income Tax-II	DSC-2D	5	5
27.	BC406	Business Statistics-II	DSC-3D	4	4
28.	BC407	Objective Oriented Programming with C++	DSE-2A	4T+2P	5
		Total		30	30

LECTURER

Nagarjuna

Assistant Professor

Dept. - Computer Science & Informatics
UCE & T.M.G.U., Nalgonda.. (T.S.)

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P. S. Chaudhary

THIRD YEAR:					
SEMESTER-V					
29.	BC501	Practice of General Insurance	SEC-3	2	2
30.	BC502		GE-1	2	2
31.	BC503	Cost Accounting	DSC-1E	4	4
32.	BC504	Business Law	DSC-2E	4	4
33.	BC505	Banking Theory & Practice	DSC-3E	4	4
34.	BC506	Computerised Accounting	DSC-4E	3T+2P	4
35.	BC507	Elective – I	DSE-1A	4T+2P	5
36.	BC508	Elective – II	DSE-2A	4T+2P	5
		Total		33	30
SEMESTER-VI					
37.	BC601	Regulation of Insurance Business	SEC-4	2	2
38.	BC602		GE-2	2	2
39.	BC603	Managerial Accounting	DSC-1F	4	4
40.	BC604	Company Law	DSC-2F	4	4
41.	BC605	Financial Institutions & Markets	DSC-3F	4	4
42.	BC606	Commerce Lab	DSC-4F	2T+4P	4
43.	BC607	Elective – I	DSE-1B	5	5
44.	BC608	Elective - II	DSE-2B	5	5
		Total		32	30
		GRAND TOTAL		187	180

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline

Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T=Theory; P=Practicals;

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Language	8	5	40
	DSC	8	5	40
		16	4	64
4	DSE	4	5	20
5	GE	2	2	4
	TOTAL	44		180
	Commerce Total	28		124

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LECTURER
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Assistant Professor
Dept. of Computer Science & Informatics
UCE & T.M.G.U., Nalgonda (T.S.)

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SYLLABUS 2016-17

DEPARTMENT OF COMMERCE, O.U.

Structure of B.Com (Computer Application) (CBCS) for Osmania University, Hyderabad.
(w.e.f. Academic Year 2016-17)

B.COM (Computer Applications) PROGRAMME**FIRST YEAR:****SEMESTER-I**

Sl.No.	Code	Course Title	Course Type	HPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)
1.	BC101	A/B/C/D	AECC-1	2	2
2.	BC102	English	CC-1A	5	5
3.	BC103	Second Language	CC-2A	5	5
4.	BC104	Financial Accounting - I	DSC-1A	5	5
5.	BC105	Business Economics	DSC-2A	5	5
6.	BC106	Business Organization	DSC-3A	4	4
7.	BC107	Information Technology	DSC-4A	3T+2P	4
		Total		31	30

SEMESTER-II

8.	BC201	A/B/C/D	AECC-2	2	2
9.	BC202	English	CC-1B	5	5
10.	BC203	Second Language	CC-2B	5	5
11.	BC204	Financial Accounting - II	DSC-1B	5	5
12.	BC205	Managerial Economics	DSC-2B	5	5
13.	BC206	Principles of Management	DSC-3B	4	4
14.	BC207	Relational Database Management Systems	DSE-2B	5	5
		Total		30	30

SECOND YEAR:**SEMESTER-III**

15.	BC301	Principles of Insurance Business	SEC-1	2	2
16.	BC302	English	CC-1C	5	5
17.	BC303	Second Language	CC-2C	5	5
18.	BC304	Advanced Accounting	DSC-1C	5	5
19.	BC305	Income Tax-I	DSC-2C	5	5
20.	BC306	Business Statistics-I	DSC-3C	4	4
21.	BC307	Programming with C	DSE-2A	5	5
		Total		31	30

SEMESTER-IV

22.	BC401	Practice of Life Insurance	SEC-2	2	2
23.	BC402	English	CC-1D	5	5
24.	BC403	Second Language	CC-2D	5	5
25.	BC404	Corporate Accounting	DSC-1D	5	5
26.	BC405	Income Tax-II	DSC-2D	5	5
27.	BC406	Business Statistics-II	DSC-3D	4	4
28.	BC407	Objective Oriented Programming with C++	DSE-2A	4T+2P	5
		Total		30	30

R. Ravij

Assistant Professor

Dept. - Computer Science & Informatics
UCE & T.M.G.U., Nalgonda.. (T.S.)

LECTURER
Nagarjuna Govt. College.
NALGONDA..

Ravi Chandra

THIRD YEAR:					
SEMESTER-V					
29.	BC501	Practice of General Insurance	SEC-3	2	2
30.	BC502		GE-1	2	2
31.	BC503	Cost Accounting	DSC-1E	4	4
32.	BC504	Business Law	DSC-2E	4	4
33.	BC505	Banking Theory & Practice	DSC-3E	4	4
34.	BC506	Computerised Accounting	DSC-4E	3T+2P	4
35.	BC507	Elective – I	DSE-1A	4T+2P	5
36.	BC508	Elective – II	DSE-2A	4T+2P	5
		Total		33	30
SEMESTER-VI					
37.	BC601	Regulation of Insurance Business	SEC-4	2	2
38.	BC602		GE-2	2	2
39.	BC603	Managerial Accounting	DSC-1F	4	4
40.	BC604	Company Law	DSC-2F	4	4
41.	BC605	Financial Institutions & Markets	DSC-3F	4	4
42.	BC606	Commerce Lab	DSC-4F	2T+4P	4
43.	BC607	Elective – I	DSE-1B	5	5
44.	BC608	Elective - II	DSE-2B	5	5
		Total		32	30
		GRAND TOTAL		187	180

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T=Theory; P=Practicals;

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Language	8	5	40
		DSC	8	5
		16	4	64
4	DSE	4	5	20
5	GE	2	2	4
	TOTAL	44		180
	Commerce Total	28		124

Ravi
Assistant Professor

Dept. - Computer Science & Informatics
UCE & T.M.G.U., Nalgonda. (T.S.)

Nagaraju
LECTURER

Ravi
Lauichander

INFORMATION TECHNOLOGY

Paper: BCO104
PPW: 6 (4T & 2P)

Max. Marks: 35T + 15P
Time: 3 Hrs.

Objective: to acquire basic knowledge in Information Technology and its applications in the areas of business.

UNIT-I: INTRODUCTION:

Introduction to computers - Generations of computers – An overview of computer system - Types of computers - Input & Output Devices. Hardware: Basic components of a computer system - Control unit – ALU - Input/output functions - Memory – RAM – ROM – EPROM - PROM and Other types of memory.

UNIT-II: OPERATING SYSTEM (OS):

Meaning - Definition & Functions - Types of OS - Booting process - DOS – Commands (internal & external) - Wild card characters – Virus & Hackers – Cryptography & cryptology Windows: Using the Start Menu –Control Panel – Using multiple windows – Customizing the Desktop – Windows accessories (Preferably latest version of windows or Linux Ubuntu).

UNIT-III: WORD PROCESSING:

Application of word processing - Menus & Tool Bars - Word processor – Creating – Entering - Saving & printing the document - Editing & Formatting Text - Mail Merge and Macros (Preferably latest version of MS Word or Libre Office Writer).

UNIT-IV: SPREAD SHEET:

Application of work sheet/spread sheet - Menus & Tool bars - Creating a worksheet - Entering and editing of numbers - Cell referencing - Worksheet to analyze data with graphs & Charts. Advanced tools: Functions – Formulae – Formatting numbers - Macros – Sorting- Filtering - Validation & Consolidation of Data (Preferably latest version of MS Excel or Libre Office Calc)

UNIT-V: POWER POINT PRESENTATION:

Application of Power Point Presentation – Menus & Tool bars – Creating presentations – Adding - Editing and deleting slides - Templates and manually creating presentation– Slide show – Saving - Opening and closing a Presentation –Types of slides - Slide Views - Formatting – Insertion of Objects and Charts in slides - Custom Animation and Transition (Preferably latest version of MS Power Point presentation - Libre Office Impress). Internet & Browsing: Services available on internet – WWW – ISP – Browsers. Multimedia: Application of multimedia – Images – Graphics-Audio and Video – IT security.

SUGGESTED READINGS:

1. Introduction to Computers: Peter Norton, McGraw Hill.
2. Fundamentals of Information Technology: Dr. NVN Chary, Kalyani Publishers.
3. Computer Fundamental: AnithaGoel, Pearson.
4. Information Technology Applications for Business: Dr. S. Sudalaimuthu, Himalaya
5. Introduction to Information Technology: ITL ESL, Pearson.
6. Introduction to Information Technology: V. Rajaraman, PHI.
7. Fundamental of Computers: Balaguruswamy, McGraw Hill.
8. PC Software under Windows: Puneet Kumar, Kalyani Publishers.
9. Information Technology and C language: Rajiv Khanna, New Age International.
10. Fundamentals of Information Technology: Alexis Leon, Vikas Publishing House.
11. Informational Technology: P. Mohan, Himalaya Publishing House.
12. Information Technology: R. Renuka, Vaagdevi Publishers.
13. OS-Linux Spoken Tutorials & Libre Office Spoken Tutorials by IIT Bombay.
14. Fundamentals of Information Technology: Rajiv Midha, Tax Mann Publications.

Paper : (BC 207) : RELATIONAL DATABASE MANAGEMENT SYSTEMS

Paper: BC 207

Max. Marks: 50

THPW: 5 Hrs; Credits :5

Exam Duration: 3Hrs

Objective: to acquire basic conceptual background necessary to design and develop simple database system, Relational database mode, ER model and distributed databases, and to write good queries using a standard query language called SQL.

UNIT-I: BASIC CONCEPTS: Database Management System - File based system - Advantages of DBMS over file based system - Database Approach - Logical DBMS Architecture - Three level architecture of DBMS or logical DBMS architecture - Need for three level architecture - Physical DBMS Architecture - Database Administrator (DBA) Functions & Role - Data files indices and Data Dictionary - Types of Database. Relational and ER Models: Data Models - Relational Model – Domains - Tuple and Relation - Super keys - Candidate keys - Primary keys and foreign key for the Relations - Relational Constraints - Domain Constraint - Key Constraint - Integrity Constraint - Update Operations and Dealing with Constraint Violations - Relational Operations - Entity Relationship (ER) Model – Entities – Attributes – Relationships - More about Entities and Relationships - Defining Relationship for College Database - E-R Diagram - Conversion of E-R Diagram to Relational Database.

UNIT-II: DATABASE INTEGRITY AND NORMALISATION: Relational Database Integrity - The Keys - Referential Integrity - Entity Integrity - Redundancy and Associated Problems – Single Valued Dependencies – Normalisation - Rules of Data Normalisation - The First Normal Form -The Second Normal Form - The Third Normal Form - Boyce Codd Normal Form - Attribute Preservation - Lossless-join Decomposition - Dependency Preservation. File Organisation : Physical Database Design Issues - Storage of Database on Hard Disks - File Organisation and Its Types - Heap files (Unordered files) - Sequential File Organisation - Indexed (Indexed Sequential) File Organisation - Hashed File Organisation - Types of Indexes - Index and Tree Structure - Multi-key File Organisation - Need for Multiple Access Paths - Multi-list File Organisation - Inverted File Organisation.

UNIT-III: STRUCTURES QUERY LANGUAGE (SQL): Meaning – SQL commands - Data Definition Language - Data Manipulation Language - Data Control Language - Transaction Control Language - Queries using Order by – Where - Group by - Nested Queries. Joins – Views – Sequences - Indexes and Synonyms - Table Handling.

UNIT-IV : TRANSACTIONS AND CONCURRENCY MANAGEMENT: Transactions - Concurrent Transactions - Locking Protocol - Serialisable Schedules - Locks Two Phase Locking (2PL) - Deadlock and its Prevention - Optimistic Concurrency Control. Database Recovery and Security: Database Recovery meaning - Kinds of failures - Failure controlling methods - Database errors - Backup & Recovery Techniques - Security & Integrity - Database Security - Authorization.

UNIT-V: DISTRIBUTED AND CLIENT SERVER DATABASES: Need for Distributed Database Systems - Structure of Distributed Database - Advantages and Disadvantages of DDBMS - Advantages of Data Distribution - Disadvantages of Data Distribution - Data Replication - Data Fragmentation. Client Server Databases: Emergence of Client Server Architecture - Need for Client Server Computing - Structure of Client Server Systems & its advantages.

LAB: SQL QUERIES BASED ON VARIOUS COMMANDS.

SUGGESTED READINGS: 1) Database Systems: R.Elmasri & S.B. Navathe, Pearson.; 2) Introduction to Database Management System: ISRD Group, McGraw Hill.; 3) Database Management System: R.Ramakrishnan & J.Gehrke, McGraw Hill.; 4) Modern Database Management: J.A.Hoffer,V.Rames &H.Topi, Pearson.;5) Database System Concepts: Silberschatz, Korth & Sudarshan, McGraw Hill. 6) Simplified Approach to DBMS: Parteek Bhaia, Kalyani Publishers.7) Database Management System: Nirupma Pathak, Himalaya. 8) Database Management Systems: Pannerselvam, PHI.9) Relational Database Management System: Srivastava & Srivastava, New Age 10) PHPMySQL Spoken Tutorials by IIT Bombay. 11) Oracle Database: A Beginner's Guide: I.Abramson, McGraw Hill.

**NAGARJUNA GOVT COLLEGE (AUTONOMOUS), NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS**

**B.COM – COMPUTER APPLICATIONS
I-YEAR I-SEMESTER PAPER-I**

INFORMATION TECHNOLOGY (I.T)

B.Com (Computer Applications) (CBCS)

Faculty of Commerce,

INFORMATION TECHNOLOGY

Paper: BCO104
PPW: 6 (4T & 2P)

Max. Marks: 35T + 15P
Time: 3 Hrs.

Objective: to acquire basic knowledge in Information Technology and its applications in the areas of business.

UNIT-I: INTRODUCTION:

Introduction to computers - Generations of computers – An overview of computer system - Types of computers - Input & Output Devices. Hardware: Basic components of a computer system - Control unit – ALU - Input/output functions - Memory – RAM – ROM – EPROM - PROM and Other types of memory.

UNIT-II: OPERATING SYSTEM (OS):

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UNIT-III: WORD PROCESSING:

Application of word processing - Menus & Tool Bars - Word processor – Creating – Entering - Saving & printing the document - Editing & Formatting Text - Mail Merge and Macros (Preferably latest version of MS Word or Libre Office Writer).

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Application of work sheet/spread sheet - Menus & Tool bars - Creating a worksheet - Entering and editing of numbers - Cell referencing - Worksheet to analyze data with graphs & Charts. Advanced tools: Functions – Formulae – Formatting numbers - Macros – Sorting- Filtering - Validation & Consolidation of Data (Preferably latest version of MS Excel or Libre Office Calc)

UNIT-V: POWER POINT PRESENTATION:

Application of Power Point Presentation – Menus & Tool bars – Creating presentations – Adding - Editing and deleting slides - Templates and manually creating presentation– Slide show
– Saving - Opening and closing a Presentation –Types of slides - Slide Views - Formatting – Insertion of Objects and Charts in slides - Custom Animation and Transition (Preferably latest version of MS Power Point presentation - Libre Office Impress). Internet & Browsing: Services available on internet – WWW – ISP – Browsers. Multimedia: Application of multimedia – Images – Graphics-Audio and Video – IT security.


Assistant Professor

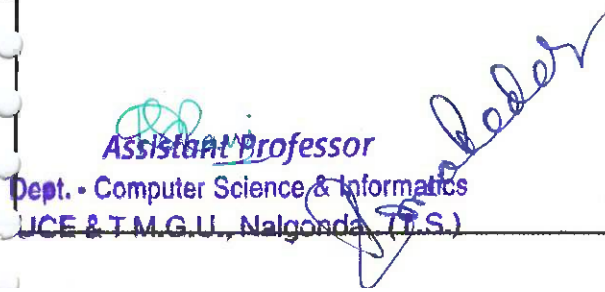
Dept. - Computer Science & Informatics
UCE & T.M.G.U., Nalgonda (T.S.)

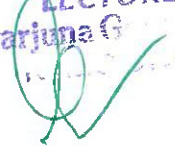

LECTURER
Nagarjuna



SUGGESTED READINGS:

1. Introduction to Computers: Peter Norton, McGraw Hill.
2. Fundamentals of Information Technology: Dr. NVN Chary, Kalyani Publishers.
3. Computer Fundamental: AnithaGoel, Pearson.
4. Information Technology Applications for Business: Dr. S. Sudalaimuthu, Himalaya
5. Introduction to Information Technology: IITL ESL, Pearson.
6. Introduction to Information Technology: V. Rajaraman, PHI.
7. Fundamental of Computers: Balaguruswamy, McGraw Hill.
8. PC Software under Windows: Puneet Kumar, Kalyani Publishers.
9. Information Technology and C language: Rajiv Khanna, New Age International.
10. Fundamentals of Information Technology: Alexis Leon, Vikas Publishing House.
11. Informational Technology: P. Mohan, Himalaya Publishing House.
12. Information Technology: R. Renuka, Vaagdevi Publishers.
13. OS-Linux Spoken Tutorials & Libre Office Spoken Tutorials by IIT Bombay.
14. Fundamentals of Information Technology: Rajiv Midha, Tax Mann Publications.


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Nagarajuna G




NAGARJUNA GOVT COLLEGE (AUTONOMOUS), NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS

B.COM – COMPUTER APPLICATIONS
I-YEAR II-SEMESTER PAPER-II

RELATIONAL DATABASE MANAGEMENT (RDBMS)

Paper: BCC606
PPW: 5 (3T & 2P)

Max. Marks: 35T + 15P
Exam Duration: 3 Hrs.

Objectives: to acquire the basic conceptual background necessary to design and develop simple database system, Relational database mode, ER model and distributed databases, and to write good queries using a standard query language called SQL.

UNIT-I: BASIC CONCEPTS:

Database Management System - File based system - Advantages of DBMS over file based system - Database Approach - Logical DBMS Architecture - Three level architecture of DBMS or logical DBMS architecture - Need for three level architecture - Physical DBMS Architecture - Database Administrator (DBA) Functions & Role - Data files indices and Data Dictionary - Types of Database.

Relational and ER Models: Data Models - Relational Model – Domains - Tuple and Relation - Super keys - Candidate keys - Primary keys and foreign key for the Relations - Relational Constraints - Domain Constraint - Key Constraint - Integrity Constraint - Update Operations and Dealing with Constraint Violations - Relational Operations - Entity Relationship (ER) Model – Entities – Attributes – Relationships - More about Entities and Relationships - Defining Relationship for College Database - E-R Diagram - Conversion of E-R Diagram to Relational Database.

UNIT-II: DATABASE INTEGRITY AND NORMALISATION:

Relational Database Integrity - The Keys - Referential Integrity - Entity Integrity - Redundancy and Associated Problems – Single Valued Dependencies – Normalisation - Rules of Data Normalisation - The First Normal Form - The Second Normal Form - The Third Normal Form - Boyce Codd Normal Form - Attribute Preservation - Lossless-join Decomposition - Dependency Preservation.

File Organisation : Physical Database Design Issues - Storage of Database on Hard Disks - File Organisation and Its Types - Heap files (Unordered files) - Sequential File Organisation - Indexed (Indexed Sequential) File Organisation - Hashed File Organisation - Types of Indexes - Index and Tree Structure - Multi-key File Organisation - Need for Multiple Access Paths - Multi-list File Organisation - Inverted File Organisation.

UNIT-III: STRUCTURES QUERY LANGUAGE (SQL):

Meaning – SQL commands - Data Definition Language - Data Manipulation Language - Data Control Language - Transaction Control Language - Queries using Order by – Where - Group by - Nested Queries.

Joins – Views – Sequences - Indexes and Synonyms - Table Handling.

UNIT-IV : TRANSACTIONS AND CONCURRENCY MANAGEMENT:

Transactions - Concurrent Transactions - Locking Protocol - Serialisable Schedules - Locks Two Phase Locking (2PL) - Deadlock and its Prevention - Optimistic Concurrency Control.

Database Recovery and Security: Database Recovery meaning - Kinds of failures - Failure controlling methods - Database errors - Backup & Recovery Techniques - Security & Integrity - Database Security - Authorization.

P. Ram

Assistant Professor

R. Reddy

LECTURER
Nagarjuna Govt College

Ravi Chander

UNIT-V: DISTRIBUTED AND CLIENT SERVER DATABASES:

Need for Distributed Database Systems - Structure of Distributed Database - Advantages and Disadvantages of DDBMS - Advantages of Data Distribution - Disadvantages of Data Distribution - Data Replication - Data Fragmentation.

Client Server Databases: Emergence of Client Server Architecture - Need for Client Server Computing - Structure of Client Server Systems & its advantages.

LAB: SQL QUERIES BASED ON VARIOUS COMMANDS.

SUGGESTED READINGS:

Database Systems: R.Elmasri & S.B. Navathe, Pearson.

Introduction to Database Management System: ISRD Group, McGraw Hill.

Database Management System: R.Ramakrishnan & J.Gehrke, McGraw Hill.

Modern Database Management: J.A.Hoffer, V.Rames & H.Topi, Pearson.

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Database Management Systems: Pannerselvam, PHI.

Relational Database Management System: Srivastava & Srivastava, New Age

PHPMySQL Spoken Tutorials by IIT Bombay.

Oracle Database: A Beginner's **Guide: I.Abramson, McGraw Hill.**


Assistant Professor
Dept. • Computer Science & Informatics
UCE & T.M.G.U., Nalgonda (T.S.)


LECTURER
Nagarjun


Ravichandru

Arts and Commerce
Semester End Examination
Model Question Paper
(with effect from 2016-17)

Time:

Marks: 70

Part-A

- I. Answer the following questions in one sentence or one line 5X2=10
- 1.
 - 2.
 - 3.
 - 4.
 - 5.

Part-B

- II. Answer the following questions not exceeding one page or 20 Lines 5X6=30
6. A) Or
- B)
7. A) Or
- B)
8. A) Or
- B)
9. A) Or
- B)
10. A) Or
- B)

Part-C

- III. Answer any three questions from the following not exceeding 3 pages. 3X10=30
- 11.
 - 12.
 - 13.
 - 14.
 - 15.

Assistant Professor *[Signature]*
Dept. - Computer Science & Informatics
UCE & T.M.G.U., Nalgonda.. (T.S.)

LECTURER
Nagarjuna Group of Institutions
[Signature]

[Signature]

NAGARJUNA GOVT COLLEGE (AUTONOMOUS), NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS

B.COM – COMPUTER APPLICATIONS
II-YEAR III-SEMESTER PAPER-VII

RELATIONAL DATABASE MANAGEMENT (RDBMS)-I

Paper Code: 305-C
PPW: 5(3+2)

CREDITS :3+2
Time : 2hr 30mts
Marks: 70 M

Unit – I

Introduction of Database System:

Database systems – Evolution – File Oriented systems – Database models database system components – Database systems in the organization.

Unit – II

DBMS Control Mechanism:

Data sharing, strategic database planning – database and management control – Risks and costs and Databases – Database Development.

Unit – III

Conceptual Data Models:

Database Design – Principles of conceptual Database Design – Conceptual Data Models.

Unit – IV

Aggregation:

Aggregation – Modeling conceptual objects Vs physical objects.

Unit – V

Normalization:

Fundamentals concepts – Normalization – Transforming a conceptual models Relational model – Relational Database implementation Relational Algebra and calculus.

Books Recommended:

1. Modern database Management – Megadden
2. An introduction to Database system – Bipin C.Desai.

[Signature]
Assistant Professor
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LECTURER
Nagarjuna Govt College
Nalgonda

[Signature]

NAGARJUNA GOVT COLLEGE (AUTONOMOUS), NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS

B.COM – COMPUTER APPLICATIONS
II-YEAR IV-SEMESTER PAPER-VII

RELATIONAL DATABASE MANAGEMENT (RDBMS)-II

Paper Code: 305-C
PPW: 5(3+2)

CREDITS :3+2
Time : 2hr 30mts
Marks: 70 M

Unit – I

SQL Management System: SQL – Scheme and Table Definition – Data Manipulation – View Definition Graphical Query language – Client-Server Database – (Defining Tables and server).

Unit – II

Database Tables and Server: Database – Defining Database Tables and Server – Server Data Manipulation and Programming – Development client application.

Unit – III

Database types: Physical Database systems – Storage media – Disk Performance factors – File organization – Implementing Logical Relationships – Mapping logical data structure to physical structure.

Unit – IV

Key Features:

Secondary Keys Access – Database Administration and control DBA functions – DBA goals - Database integrity - Database security – Database Recovery - Distributed database systems – design query processing.

Unit – V

Data integrity and client server system:

Data Integrity Recovery – client/server systems – DBMS selection and implementation - Information Needs – DBMS functions and capability – classifying DBMS feature requirement Evaluation models – Implementation issues.

Lab practical: Using SQL commands creating database schema and tables and retrieval of data.

Books Recommended:

1. Modern database Management – Megadden
2. An introduction to Database system – Bipin C,Desai

R. S. Rao
Assistant Professor
Dept. - Computer Science & Information Systems
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LECTURER
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NALGONDA

Paichal

NAGARJUNA GOVT COLLEGE (AUTONOMOUS), NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS

B.COM – COMPUTER APPLICATIONS
III-YEAR V-SEMESTER PAPER-IX

WEB PROGRAMMING-I

Paper Code: 507-C
PPW: 4

Time: 2hr 30mts
Marks: 50

Unit – I

HTML Programming:

Introduction – formatting text, forms and formulating elements.

Unit – II

Graphics HTML:

Creating tables and frames – Web design principles.

Unit – III

Dynamic HTML Programming:

Introduction – Cascading Style Sheets (CSS) – Events handling – changing text and attributes.

Unit – IV

HTML:

Dynamically changing styles – text – graphics and placement – creating multimedia effects with filters and transition.


Unit – V

Features and Benefits of HTML editors.

Lab work: DHTML (Dynamic HTML) rule.

Suggested Readings:

- 1) Microsoft official curriculum
- 2) Essential XML : Box
- 3) Dynamic HTML : Rule
- 4) HTML for the WWW : Castro


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NAGARJUNA GOVT COLLEGE (AUTONOMOUS), NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS

B.COM – COMPUTER APPLICATIONS
III-YEAR V-SEMESTER PAPER-X

E-COMMERCE-1

Paper Code: 503-C
PPW: 3+2

Time: 2hr 30mts
Marks:50

UNIT-I

E-Business and E-Commerce:

Introduction, Potential Benefits, Limitations, Classifications, Impact of E-Commerce on Business models.

UNIT-II

E-Commerce Applications:

Entertainment, E-Marketing, E-Advertising, Search Engines, E-Banking, Mobile Commerce, Online Trading, ELearning, E-Shopping.

UNIT-III

Architecture Framework of E-Commerce:

Application Services, Brokerage and Data Management, Interface layers, secure Messaging, Middleware services and network infrastructure.

UNIT-IV

Security Protocols:

Open systems interconnection (OSI), TCP/IP, FTP, HTTP, SMTP, S-HTTP, SSL, and NNTP

Messaging Protocols: Basic Mail Protocol, Security Enhanced Mail Protocol.

UNIT-V

Web Security Issues, Encryption Techniques:

Symmetric and Asymmetric.

Consumer Oriented E-Commerce Applications, Mercantile Process Model:

Consumers Perspective and Merchant's Perspective.

Lab work: Using Microsoft front-page editor and HTML in Designing a Static (simple) Website.

Suggested Readings:

1. E-Commerce: A Managerial Perspective: Micheal change, etc. A1
2. Electronic Commerce – Security: Greenstein & Feinman Risk Management & Control
3. Frontiers of Electronic Commerce: Ravi Kalakota & A.B. Whinston.

R. Raju
Assistant Professor
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R. Raju
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Rajinder

NAGARJUNA GOVT COLLEGE (AUTONOMOUS), NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS

B.COM – COMPUTER APPLICATIONS
III-YEAR VI-SEMESTER PAPER-XI

WEB PROGRAMMING-II

Paper Code:607-C
PPW:4

Time: 2hr 30mts
Marks:50

Unit – I

HTML editors: Front page and dream weaver packages.

Unit - II

VB Scripting: Introduction – VB script – Basics of VB script – array handling – userinteraction VB script.

Unit – III

VB script: Data validation in VB script – handling runtime errors.

Unit – IV

Introduction to visual basic: Getting started with VB – understanding VB projects –code basic variables.

Unit – V

VB designing user interfaces – forms – menus – toolbars – VB debugging tools.

Lab work: HTML for the www.castro

Suggested Readings:

- 1) Microsoft official curriculum
- 2) Essential XML : Box
- 3) Dynamic HTML : Rule
- 4) HTML for the WWW : Castro

Ravi
Assistant Professor
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N.U.

Raidandee

NAGARJUNA GOVT COLLEGE (AUTONOMOUS), NALGONDA
DEPARTMENT OF COMPUTER APPLICATIONS

B.COM – COMPUTER APPLICATIONS
III-YEAR VI-SEMESTER PAPER-XII

E-Commerce-II

Paper Code: 603-C
PPW: 3+2

Time: 2hr 30mts
Marks: 50

UNIT-I

Electronic Payment Systems:

Advantages and risks, Types of Payment System (Credit Cards, E-Cash, Smartcards)

UNIT-II

Electronic Data Interchange: Introduction - Non EDI System, Partial EDI System, Fully

Integrated EDI System, Prerequisites for EDI.

UNIT-III

Issues of EDI: Introduction, Legal issues, Security issues, Privacy issues.

UNIT-IV

E-Marketing Techniques: Marketing Vs. E-marketing – Applications of 5P's (Product, Price, Place, Promotion, People), Search Engines, Directories, Registrations, Solicited targeted E-mails, Interactive sites,

UNIT-V

Promotional Techniques: Banners, Advertising, Spam Mails, E-Mail, Chain letters, E-Advertising, Sponsorships, Portals, Online Coupons.

Lab work: Using Microsoft front-page editor and HTML in Designing a Static (simple) Website.

Suggested Readings:

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R. Dani
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LECTURER
Nagarjuna

Pauichandru

B.COM-COMPUTER APPLICATIONS

GENERAL ELECTIVE

II-YEAR

FUNDAMENTALS OF E-COMMERCE

GENERAL ELECTIVE
2016-17

DEPARTMENT OF COMPUTER APPLICATIONS
NAGARJUNA GOVERNMENT COLLEGE (AUTONOMOUS)

B.Com (Computer Application)

II-YEAR (IV-SEMESTER)

FUNDAMENTALS OF E-COMMERCE

CREDITS: 2+1
PPW : 3 T + 2P

TIME : 2Hr 30M
Marks : 100+50

UNIT-I

Fundamentals of E-Commerce :-

Introduction, Potential Benefits, Limitations, Classifications, Impact of E-Commerce on Business models.

UNIT-II

Applications of E-Commerce :-

Entertainment, E-Marketing, E-Advertising, Search Engines, E-Banking, Mobile Commerce, Online Trading, ELearning, E-Shopping.

UNIT-III

Architecture of E-Commerce:

Application Services, Brokerage and Data Management, Interface layers, secure Messaging, Middleware services and network infrastructure.

UNIT-IV

Basics of Internet :

Networks, Internet, Intranet, Protocols, WWW, HTTP, WEB, URL, Web Servers, Internet Services, Browsers, Search Engines, ISP, etc.,

UNIT-V

HTML BASICS :- Standard HTML Tags.

Lab work: Using Microsoft front-page editor and HTML in Designing a Static (simple) Website.

Suggested Readings:

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3. Frontiers of Electronic Commerce: Ravi Kalakota & A.B. Whinston.

Ravi
Assistant Professor
Dept. - Computer Science & Informatics
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Raichadu

**MODEL QUESTION PAPERS
(NEW & OLD)
(CBCS & NON-CBCS)**

Arts and Commerce
Semester End Examination
Model Question Paper
(with effect from 2016-17)

Time:

Marks: 70

Part-A

- I. Answer the following questions in one sentence or one line 5X2=10
- 1.
 - 2.
 - 3.
 - 4.
 - 5.

Part-B

- II. Answer the following questions not exceeding one page or 20 Lines 5X6=30
6. A) Or
B)
7. A) Or
B)
8. A) Or
B)
9. A) Or
B)
10. A) Or
B)

Part-C

- III. Answer any three questions from the following not exceeding 3 pages. 3X10=30
- 11.
 - 12.
 - 13.
 - 14.
 - 15.

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Raichandee

MODEL QUESTION PAPER (CBCS SYSTEM)

CBCS-I,II YEARS (I,II,III,IV-SEMESTERS)

(FOR 2014-15 & 2016-17) BATCHES

I/II-YEAR B.COM - COMPUTER APPLICATIONS

Time:2.30 hrs

Max. Marks : 70 M

Credits :

SECTION-A

I. Very Short Answer Questions. Answer ALL Questions.

10 x 2 = 20 M

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

SECTION-B

II. Short Answer Questions. Answer ALL Questions.

4 x 5 = 20

1. Q1
Q2 OR
2. Q1
Q2 OR
3. Q1
Q2 OR
4. Q1
Q2 OR
5. Q1
Q2 OR

SECTION-C

III. Long Answer Questions (Essay Type). Answer ANY 3 Questions. 3 x 10 = 30 M

- 1.
- 2.
- 3.
- 4.
- 5.

Amal

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NALGONDA

Dr. P. S. Rao
Assistant Professor

MODEL QUESTION PAPER (NON-CBCS SYSTEM)

OLD MODEL QUESTION PAPER

Time: 2 .30 Hrs

Max .Marks:28

Section- A

4x2=8

- (I) Answer any four of the following.
(II) Each answer should not exceed 15 lines
(III) All questions carry equal marks

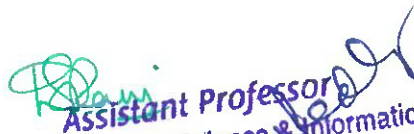
- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Section -B

5x4=20

- (I) Answer any four questions choosing one from each unit.
(II) Each answer should not exceed 40 lines.
(III) All questions carry equal marks

7. QUESTION-1
(OR)
QUESTION-2
8. QUESTION-1
(OR)
QUESTION-2
9. QUESTION-1
(OR)
QUESTION-2
10. QUESTION-1
(OR)
QUESTION-2
11. QUESTION-1
(OR)
QUESTION-2


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NEW MODEL QUESTION PAPER (FOR 2014-15) BATCH

B.COM - COMPUTER APPLICATIONS

Time: 2.30 hrs

Max. Marks : 70 M

Credits :

SECTION-A

IV. Very Short Answer Questions. Answer ALL Questions.

10 x 2 = 20 M

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

SECTION-B

V. Short Answer Questions. Answer ALL Questions.

4 x 5 = 20

- | | |
|--------|----|
| 6. Q1 | |
| Q2 | OR |
| 7. Q1 | |
| Q2 | OR |
| 8. Q1 | |
| Q2 | OR |
| 9. Q1 | |
| Q2 | OR |
| 10. Q1 | |
| Q2 | OR |

SECTION-C

VI. Long Answer Questions (Essay Type). Answer ANY 3 Questions. 3 x 10 = 30 M

- 1.
- 2.
- 3.
- 4.
- 5.

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OLD MODEL QUESTION PAPER

NAGARJUNA GOVERNMENT DEGREE COLLEGE NALGONDA
(AUTONOMOUS)
ACCREDITED BY NAAC WITH A-GRADE
MODEL QUESTION PAPER
B.COM COMPUTER APPLICATIONS - II YEAR / SEMESTER-III
SEMESTER-III, PAPER-III
BCOM - Computer Applications

Time: 2 .30 Hrs

Max .Marks:28

Section- A

4x2=8

- (I) Answer any four of the following.
(II) Each answer should not exceed 15 lines
(III) All questions carry equal marks


- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Section -B

5x4=20

- (IV) Answer any four questions choosing one from each unit.
(V) Each answer should not exceed 40 lines.
(VI) All questions carry equal marks

7. QUESTION-1
(OR)
QUESTION-2
8. QUESTION-1
(OR)
QUESTION-2
9. QUESTION-1
(OR)
QUESTION-2
10. QUESTION-1
(OR)
QUESTION-2
11. QUESTION-1
(OR)
QUESTION-2


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NEW MODEL QUESTION PAPER (FOR 2014-15) BATCH

B.COM - COMPUTER APPLICATIONS

Time:2.30 hrs

Max. Marks : 70 M

Credits :

SECTION-A

VII. Very Short Answer Questions. Answer ALL Questions.

10 x 2 = 20 M

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

SECTION-B

VIII. Short Answer Questions. Answer ALL Questions.

4 x 5 = 20

- | | |
|--------|----|
| 11. Q1 | |
| Q2 | OR |
| 12. Q1 | |
| Q2 | OR |
| 13. Q1 | |
| Q2 | OR |
| 14. Q1 | |
| Q2 | OR |
| 15. Q1 | |
| Q2 | OR |

SECTION-C

• IX. Long Answer Questions (Essay Type). Answer ANY 3 Questions.3 x 10 = 30 M

- 1.
- 2.
- 3.
- 4.
- 5.

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OLD MODEL QUESTION PAPER

NAGARJUNA GOVERNMENT DEGREE COLLEGE NALGONDA
(AUTONOMOUS)
ACCREDITED BY NAAC WITH A-GRADE
MODEL QUESTION PAPER
B.COM COMPUTER APPLICATIONS - II YEAR / SEMESTER-III
SEMESTER-III, PAPER-III
BCOM - Computer Applications

Time: 2 .30 Hrs

Max .Marks:28

Section- A

4x2=8

- (I) Answer any four of the following.
(II) Each answer should not exceed 15 lines
(III) All questions carry equal marks

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Section -B

5x4=20

- (VII) Answer any four questions choosing one from each unit.
(VIII) Each answer should not exceed 40 lines.
(IX) All questions carry equal marks

7. QUESTION-1
(OR)
QUESTION-2
8. QUESTION-1
(OR)
QUESTION-2
9. QUESTION-1
(OR)
QUESTION-2
10. QUESTION-1
(OR)
QUESTION-2
11. QUESTION-1
(OR)
QUESTION-2

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NEW MODEL QUESTION PAPER (FOR 2014-15) BATCH

B.COM - COMPUTER APPLICATIONS

Time: 2.30 hrs

Max. Marks : 70 M

Credits :

SECTION-A

X. Very Short Answer Questions. Answer ALL Questions.

10 x 2 = 20 M

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

SECTION-B

XI. Short Answer Questions. Answer ALL Questions.

5 x 4 = 20

- | | |
|--------|----|
| 16. Q1 | OR |
| Q2 | |
| 17. Q1 | OR |
| Q2 | |
| 18. Q1 | OR |
| Q2 | |
| 19. Q1 | OR |
| Q2 | |
| 20. Q1 | OR |
| Q2 | |

SECTION-C

XII. Long Answer Questions (Essay Type). Answer ANY 3 Questions. 3 x 10 = 30 M

- 1.
- 2.
- 3.
- 4.
- 5.

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MODEL QUESTION PAPER
B.COM COMPUTER APPLICATIONS - II YEAR / SEMESTER-III
SEMESTER-III, PAPER-III
BCOM - Computer Applications

Time: 2 .30 Hrs

Max .Marks:28

Section- A

4x2=8

- (I) Answer any four of the following.
(II) Each answer should not exceed 15 lines
(III) All questions carry equal marks

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Section -B

5x4=20

- (X) Answer any four questions choosing one from each unit.
(XI) Each answer should not exceed 40 lines.
(XII) All questions carry equal marks

7. QUESTION-1
(OR)
QUESTION-2
8. QUESTION-1
(OR)
QUESTION-2
9. QUESTION-1
(OR)
QUESTION-2
10. QUESTION-1
(OR)
QUESTION-2
11. QUESTION-1
(OR)
QUESTION-2

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**NAGARJUNA Govt., DEGREE
COLLEGE
(Autonomous)
NALGONDA**



**CERTIFICATE COURSES
(Employability Courses)
(Three Months)
In**

**COMPUTER APPLICATIONS DEPARTMENT
2016-17**

**DEPARTMENT of COMPUTER APPLICATIONS
NG College, Nalgonda**

COURSE-1
CERTIFICATE COURSE IN OFFICE AUTOMATION

PPW : 12 Hrs/Week
Months

Duration : 4

- **Name of the Programme** : CERTIFICATE COURSE in OFFICE AUTOMATION
- **Objectives of the Course** : To make the students acquire the conceptual knowledge in Fundamentals of Computers, MS-Office & TALLY Course.
- **Duration** : 4 Months, Certificate Course. (Daily 3-5 PM)
- **Eligibility** : Any Graduation
- **FEE** : Rs. 750/-
- **Resource Persons Required** : TWO (Computer Faculty + Computer Lab Assistant)
- **Workload: DAILY 2-Hours, Theory + Lab = Total 12 Hours/Week**
- **Syllabus :**
 - **Unit-1: FUNDAMENTALS of COMPUTERS** - Data & Information, Computer Architecture , CPU & Memory Organization, History of Computers, Generation of Computers, Types of Computers, I/O Devices, LAN System & Networks.
 - **Unit-2: Operating Systems** - DOS , Windows.
 - **Unit-3: MS Office** - MS-Word, Ms-Excel, Ms-Power Point, Ms-Access.
 - **Unit-4: Tally** -- Accounting Fundamentals, Manual Accounts, Computer Accounting
 - **Unit-5: Internet & HTML** - Fundamentals, Browsing, Creating E-mail Accounts, Sending/Receiving E-mail etc.

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COURSE-2

CERTIFICATE COURSE IN DTP & MS-OFFICE

PPW : 12 Hrs/Week
Months

Duration : 4

- **Name of the Programme** : **CERTIFICATE COURSE in DTP & MS-OFFICE (DESKTOP PUBLICATIONS & MS OFFICE)**
- **Objectives of the Course** : To develop the skills in DTP & MS OFFICE Packages.
- **Duration** : 4 Months, Certificate Course. . (Daily 3-5 PM)
- **Eligibility** : Any Graduation
- **FEE** : Rs. 750/-
- **Resource Persons Required** : TWO (Computer Faculty + Computer Lab Asst.,)
- **Workload: DAILY 2-Hours, Theory + Lab = Total 12 Hours/Week**
- **Syllabus :**
 - **Unit-1: DTP (DESKTOP PUBLICATIONS)** - MS Paint, Tool Box, Drawings, Painting in Paint, Text Formation, Inserting Colors.
 - **Unit-2: PAGEMAKER** - Getting Start with PageMaker, Editing Text, Formatting Text, Master Pages, Working with Graphics and Objects, Managing with Page Size, Margin, Orientation, Numbering, Project.
 - **Unit-3: PHOTOSHOP** - Getting start with Photoshop, Working with Images and Color, Making Selections, Painting and Editing Tools, Layers, Filters, Project
 - **Unit-4: MS OFFICE** - MS-WORD, MS-EXCEL
 - **Unit-5: MS PowerPoint, MS-ACCESS-**

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B.COM-COMPUTER APPLICATIONS
LIST OF COMPUTER PRACTICALS & LABS

Zameer

Ravichander

Computer Lab - Practical Question Bank
FACULTY OF COMMERCE, OSMANIA UNIVERSITY

B.Com (All Streams) I Year W.E.F.2008-09

FUNDAMENTALS OF INFORMATION TECHNOLOGY

Time: 60 Minutes

Record : 20

Skill Test : 30

Total Marks : 50

MS POWERPOINT:

1. Create 6 Slides using different slide layouts - describing about your College.
2. Create 4 Slides on annual day of your college and perform the following:
 - Give Header and Footer
 - Give Background Color
 - Insert Picture from Clip Art
 - Insert Slide Numbers
3. Create 5 Slides on "Importance of Computers" and apply Design Templates
4. Create 5 Slides on "No Smoking" and apply different Slide Transitions for all the slides.
5. Create 5 Slides on "Polio immunization" and execute the following by using Action Buttons for all the slides to link them
 - Link first slide with the third
 - Link second slide with fifth
 - Link third slide with fourth
6. Create 4 Slides on "Traffic Rules" and apply different Custom Animation Schemes
7. Create 5 Slides on "Syllabus structure" using different slide layouts and show only 3 slides (without using Delete option)
8. Create 3 Slides on "Plant tress and protect Nature" and each slide should have a Comment.
9. Create two files on "Clean & Green" and "No Smoking" in MS PowerPoint and hyperlink them with each other.
10. Create 2 Slides on "Traffic Rules" and on "Avoid Cell Phone Driving" duplicate the first slide four times and delete one of the Duplicated slide.
11. Create 5 slides on "Students are future citizens of our country" using different Formatting options and show them in Slide Sorter View.

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N.S.C.

Pravin Kumar

MS WORD:

12. Using Mail Merge, write a letter inviting 5 friends to your Birthday Party.

13. Type the following matter

Features of Computers (underline, caps, bold, font size=18)
Accuracy
Speed
Efficiency
Multi-tasking

Give numbers to the above features and Background as Pink

- 14. Create a Macro Program with your own data and run it.
- 15. Create a document and insert Page Numbers, Date and Time and a Picture.
- 16. "Indian Economy is growing faster" – type it and insert a comment for the word "Economy".
- 17. Create a document and give 5 Footnotes.
- 18. Create files on "Leave Letter" and "Love Letter" and apply different Themes.
- 19. Create a Table containing student's marks and sort in ascending order.
- 20. Create a Table in word file and apply Auto Formatting.
- 21. Insert 4 Bookmarks in a file and use Go To Bookmark option.

MS EXCEL:

22. Apply Auto formatting for the following Table and find total by using Auto Sum option.

Roll No	Name	QT	FIT	IOM
101	Radhika	50	90	80
102	Sarika	60	80	60
103	Geethika	50	70	75
104	Bhoomika	80	60	80
105	Karthika	84	57	84

23. The following are the marks obtained by the students of B.Com in three subjects:

Roll No	Name	QT	FIT	Accounts
1011	Pravalika	50	90	80
1012	Aryaman	40	80	60
1013	Akrosh	38	70	75
1014	Prajaktha	80	60	68
1015	Trisha	84	57	84

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Using Conditional Formatting list out students who scored

- a) Less than 50 in QT b) More than 65 in FIT c) Between 60 and 80 in Accounts.

24. The following are the marks obtained by the students in three different subjects. Draw a Bar

Diagram:

Roll No	Name	QT	FIT	Accounts
1011	Pravalika	50	90	80
1012	Aryaman	40	80	60
1013	Akrosh	38	70	75
1014	Prajaktha	80	60	68
1015	Trisha	84	57	84

25. Type the following table and find out the total marks and average obtained by each student:

Roll No	Name	Economics	Banking	Marketing
1	Ajay	50	90	80
2	Vijay	40	80	60
3	Arnay	38	70	75
4	Prathista	80	60	68
5	Bhoomi	84	57	84

26. From the table given below, reduce the total expenditure to Rs.16000 by reducing sales department's expenditure by applying Goal seek.

Department	Expenditure Rs.
Production	4000
Sales	6000
Marketing	3000
Finance	5000
Total Expenditure	18000

27. Principal Amount : 2, 00,000

Rate of interest : 5%

Time period : 10 years

Amount to be paid: ?

From the above, calculate the amount payable per annum and also show the effect on amount by changing: a) Rate of Interest to 3% and 8%; b) Time period to 5 Years and 3 Years.

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28. Employee Name	Department	Salary Rs.
A	Sales	3000
B	Accounts	4000
C	Marketing	5000
D	Sales	6000
E	Accounts	4000
F	Marketing	8000

Obtain Department-wise Subtotals.

29. Employee Name	Department	Salary Rs.
A	Sales	3000
B	Accounts	4000
C	Marketing	5000
D	Sales	6000
E	Accounts	4000
F	Marketing	8000

Prepare Pivot Table.

30 (A). The following are the salaries of five employees:

Pay Roll No	Name	Salary Rs.	Part time Rs.	Accounts
1011	Prasanna	10000	900	1800
1012	Anitha	14000	800	1600
1013	Ravi	18000	700	1700
1014	Saritha	15000	600	1600
1015	Mallika	17000	500	1800

Using Conditional Formatting, list out employees who got

- a) Less than Rs. 15000 as salary b) More than Rs. 700 as Part time
c) Between Rs. 1600 and Rs. 1800 as Arrears.

30. (B) The following are the marks obtained by the students in three different subjects. Draw a

Pie Diagram:

Roll No	Name	QT	FIT	IOM
101	Radhika	50	90	80
102	Sarika	60	80	60
103	Geethika	50	70	75
104	Bhoomika	80	60	80
105	Karthika	84	57	84

MS ACCESS:

31. Create a database 'Club' and table 'Member'. The following are the details of the table:

Number	Fname	Lname	Address	Home phone	Joining date
S1465T	Jone	Johnson	1234 Country Club, Texas	(713)-555-7890	01/02/04
J1050S	Bill	Smith	1112 Peter Avenue, Texas	(713)-556-6556	30/11/04
S1300T	Lisa	Stanley	985 Venton Circle, Texas	(713)-568-1227	11/11/04

32. Create 'employee' database and table 'emp'

Empno	Ename	Job	DOJ	Basic	Deptno	Sex	Due Prom
101	Ajay	Clerk	17-12-01	6000	20	Male	<input type="checkbox"/>
102	Arvind	Salesmen	20-2-02	5000	30	Male	<input type="checkbox"/>
103	Rahul	Salesmen	22-3-01	5500	20	Male	<input type="checkbox"/>
104	Rehman	Manager	1-4-01	12000	40	Male	<input type="checkbox"/>
105	Sahil	Manager	20-9-02	11500	10	Male	<input type="checkbox"/>

33. Create a database 'Student'. Also create table 'stdtable' and execute the following queries

SRollno	Sname	Class	State	DOB	Marks	Grade
101	Raj	B.Com I	AP	21/09/82	80	A
105	Ram	B.ComII	MP	31/08/81	70	B
104	Rakesh	B.com III	UP	30/06/80	90	A
103	Ramesh	B.Com II	AP	25/07/82	38	C
105	Rajesh	B.Com I	MP	02/02/83	45	C

- Sort the data by Srollno
- Display Srollno, Sname, State and Marks where marks > 80
- Display Srollno, Sname, State and Marks where Grade= A

34. Create 'employee' database and table 'emp'. Create a Report.

Empno	Ename	Job	DOJ	Basic	Deptno	Sex	Due Prom
101	Ajay	Clerk	17-12-01	6000	20	Male	<input type="checkbox"/>
102	Arvind	Salesmen	20-2-02	5000	30	Male	<input type="checkbox"/>
103	Rahul	Salesmen	22-3-01	5500	20	Male	<input type="checkbox"/>
104	Rehman	Manager	1-4-01	12000	40	Male	<input type="checkbox"/>
105	Sahil	Manager	20-9-02	11500	10	Male	<input type="checkbox"/>

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Ravichandru

35. Create a database 'Library' and create a table as 'Books' and execute the queries given below:

AuthorLname	AuthorFname	Book title	Book type	Year of publication
Gupta	Sharma	Management Accounting	Accounting	2002
Jain	Patel	Financial	Accounting	2000
Reddy	Ram	Corporate Accounting	Accounting	1990

- a) Display Book title, book type, author name where author = Ram and book type = Accounting.
 - b) Display AuthorFname, book type, year of publication where year above 2000.
36. Create Business table by using Design Wizard with your own data (atleast 6 fields and 10 records).
37. Create Personal table by using Design Wizard with your own data (atleast 6 fields and 10 records).

MS DOS:

38. Create Directory – College
Sub Directory – Course
Sub Directory - Commerce and files in it – B.Com, B.A, B. Sc
39. Create a Directory - Market
Sub Directory – Vegetables and files tomato and potato – rename potato as Potatoes and delete the file potato
Sub Directory - Fruits and files mango and apple
40. Create a Directory – Subject
Sub Directory – Computers and file FIT – Create a Copy as Information Technology.

INTERNET:

41. Download a File on "Internet" from a website by using a search engine.
42. Select two electronics items by e-shopping.
43. Book Online Tickets to Chennai.
44. Using Search Engine, down load information on Benefits of Yoga.
45. Open an email account in your names as Rohit in gmail/yahoomail/hotmail.
46. Write e-mail to Pradip by marking a blind copy to Priya.
47. Download information about greatness of Himalayas for tourism interest.
48. Create an electronic greeting card with personal remarks and pictures.
49. Write a congratulating letter to your friend on his promotion using emotions.
50. Download research articles on "Information technology Applications" and save as doc. Files.

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Paichavolu

Computer Lab - Practical Question Bank
FACULTY OF COMMERCE, OSMANIA UNIVERSITY

B.Com (Computers & Computer Applications) I year W.E.F.2009-10
FUNDAMENTALS OF 'C'

Time: 60 Minutes

Record : 20
Skill Test : 30
Total Marks : 50

1. Write a C program to find the largest of 3 numbers.
2. Write a C program to find the sum of the first 15 even numbers and calculate the square of the sum.
3. Write a C program to find the total and average of the marks given in an array.
4. Write a C program whether the given number is Armstrong number or not.
5. Write a C program whether the given number is Perfect number or not.
6. Write a C program for matrix multiplication.
7. Write a C program for matrix addition
8. Write a C program for matrix subtraction

9. Write a C program to find the exponential series of
 $1 + X + X^2/2! + X^3/3! + \dots + X^n/n!$

10. Write a C program to find the maximum of 3 numbers using functions
11. Calculate grades of N students from 3 tests using arrays.
12. Write a C program to Trace a matrix
13. Write a C program to find string palindrome without using String functions
14. Write a C program to demonstrate Structures using student information.
15. Write a C program to calculate the Fibonacci series of a given number.
16. Write a C program to transpose the given matrix.
17. Write a C program for demonstrating Tower of Hanoi using Recursion
18. Write a C program to accept a numbers and generate Square root, cube and exponential values.
19. Write a C program to reverse the given number and check if the number is palindrome.
20. Write a C program to demonstrate the unions using employee information.
21. Write a C program for counting the number of words, lines, special characters in a given text.
22. Write a C program to find the Square root of a given number.
23. Write a C program to find the area and circumference of a circle.
24. Write a C program to find the area & perimeter of a rectangle.
25. Write a C program to convert the given decimal number to binary, Octal and Hexadecimal.
26. Write a C program to convert the given temperature from Centigrade to Fahrenheit.
27. Write a C program to swap 2 numbers using 3rd variable.
28. Write a C program to swap 2 numbers without using 3rd variable.
29. Write a C program to add, subtract, multiply and divide two numbers using functions.
30. Write a C program to generate prime numbers till the given number.

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31. Write a C program to generate the Pascal Triangle as

```

          1
         1 1
        1 2 1
       1 3 3 1
      1 4 6 4 1
     1 5 10 10 5 1
    1 6 15 20 15 6 1
   1 7 21 35 35 21 7 1
  1 8 28 56 70 56 28 8 1
 1 9 36 84 126 126 84 36 9 1

```

32. Write a C program to display the given amount in word format.
Eg: Rs. 245/- as Two hundred Forty five

33. Write a C program to sort the data.

34. Write a C program to search the given number in an array using binary search.

35. Write a C program to calculate the student total and average marks of the given subjects using structures.

36. Write a C program to demonstrate the string functions.

37. Write a C program to find the roots of the quadratic equation.

38. Write a C program to find the number of days in a month using enumerated data types.

39. Write a C program to demonstrate Math functions.

40. Write a C program to calculate factorial using recursive function.

41. Write a C program to convert from one base to another base in the number system.

42. Write a C program to generate Fibonacci numbers using recursion.

43. Write a C program to generate a multiplication table.

44. Write a C program to find the sum of N natural numbers.

45. Write a C program to find the GCD of two integer values.

46. Write a C program to evaluate the polynomial shown as
 $3X^2 + 5X^2 + 6$ if $x=5$

47. Write a C program to determine if the year is a leap year.

48. Write a C program to demonstrate passing structures to functions.

49. Write a C program to demonstrate call by value and call by reference.

50. Write a C program to calculate the total and average of marks using function.

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Computer Lab - Practical Question Bank
FACULTY OF COMMERCE, OSMANIA UNIVERSITY

B.Com (Computer & Computer Applications) II Year W.E.F.2009-10

RELATIONAL DATABASE MANAGEMENT SYSTEM (RDBMS)

Time: 60 Minutes

Record : 20
Skill Test : 30
Total Marks : 50

1) Create a Student table for the following fields :

(StudentNO ,StudentName,Marks in DBMS, E.Commerce, FIT, WebProgramming)

(a) Insert Five Records.

(b) calculate Total for Marks field .

2) Create a Student table for the following fields :

(StudentNO ,StudentName,Marks in B.Law, CostAccts,CorpAccts,WebProgramming)

(a) Insert Five Records.

(b) calculate Total for Marks field .

(c) Calculate Average of Marks .

3) Create a Student table for the following fields :

(StudentNO,StudentName,StudentCollege,University,Address, Marks in FirstYear, SecondYear, FinalYear)

(a) Insert Five Records.

(b) calculate Percentage for Marks field .

4) Create a Student table for the following fields :

(StudentNO, StudentName, StudentCollege,University,Address, Marks in FirstYear, SecondYear, FinalYear)

(a) Insert Five Records.

(b) calculate Percentage for Marks field .

(c) List all the students who got less than 50% Marks .

(d) List all the students who got more than 90% Marks .

5) Create a Student table for the following fields :

(StudentNO, StudentName, Marks in DBMS, E.Commerce, FIT, C- Language, WebProgramming)

(a) Insert Five Records.

(b) calculate Total for Marks field .

(c) Calculate Average of Marks .

(d) Increase 10 marks for the students where average is < 50 .

6) Create a Student table for the following fields :

(StudentNO ,StudentName,Marks in DBMS,E.Commerce,FIT,WebProgramming)

(a) Insert Five Records.

(b) Calculate Total for Marks field .

(c) Calculate Average of Marks .

(d) Increase 5 Percent marks for the students where average is < 40 .

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7) Create a Student table for the following fields :

(StudentNO ,StudentName,Marks in DBMS,E.Commerce,FIT,WebProgramming)

(a) Insert Five Records.

(b) Increase 9% marks to all students in total .

(c) List all the students who are failed .

(d) Create a view by the name Student12.

8) Create a Student table for the following fields :

(StudentNO ,StudentName,Marks in Hindi, English, Economics, Computers, Total, Average)

(a) Insert Five Records.

(b) Increase 5% marks to all the students.

(c) Remarks : Average > 70 : First .

Average > 50 and < 70 : Second .

9) Create a Student table for the following fields :

(StudentNO ,StudentName,Marks in Hindi, English, Economics, Computers, Total, Average)

(a) Insert Five Records.

(b) Increase 7% marks to all the students.

(c) Remarks : Average > 60 : First .

Average > 50 and < 60 : Second .

Average > 40 and < 50 : Third .

10) Create a Student table for the following fields :

(StudentNO as Primary Key , StudentName,Marks in DBMS,E.Commerce,FIT,C-Language,WebProgramming)

(a) Insert Five Records.

(b) calculate Total for Marks field .

(c) Calculate Average of Marks .

(d) Increase 20 marks for the students where average is < 45 .

11) Create a Student table for the following fields :

(StudentNO as Primary Key , StudentName,Marks in DBMS,E.Commerce,FIT,C-Language,WebProgramming)

(a) Insert Five Records.

(b) calculate Total for Marks field .

(c) Calculate Average of Marks .

(d) Increase 10 marks for the students where average is < 30 .

(e) Delete the records whose Average < 30 .

12) Create a Emp table for the following fields :

(EmpNO,EmpName,EmpAddress,Salary)

(a) Insert Five Records.

(b) Calculate Total for Salary field .

(c) List all the Employees who get less than 5000 as Salary .

13) Create a Emp table for the following fields :

(EmpNO,EmpName,EmpAddress,Salary,Dept)

(a) Insert Five Records.

- (b) Calculate Total for Salary field .
- (c) List all the Employees who get less than 6000 as Salary .
- (d) Increase Rs. 1000 for the employees whose salary is less than 6000 .

14) Create a Emp table with the following fields :

(EmpNO,EmpName,EmpAddress,Salary,Dept)

- (a) Insert Five Records.
- (b) Use Any Five Aggregate Functions .

15) Create a Emp table with the following fields :

(EmpNO,EmpName,Job,Salary,Dept,Comm,JoiningDate)

- (a) Insert Five Records.
- (b) Use Any Five Aggregate Functions .

16) Create a Emp table with the following fields :

(EmpNO,EmpName,Job,Basic,DA,HRA,PF,GrossPay,NetPay)

- (a) Insert Five Records.
- (b) Calculate DA as 30% of Basic .
- (c) Calculate HRA as 40% of Basic .
- (d) Calculate Gross Pay and Net Pay .

17) Create a Emp table with the following fields :

(EmpNO,EmpName,Job,Basic,DA,HRA,PF,GrossPay,NetPay)

- (a) Insert Five Records.
- (b) Calculate DA as 60% of Basic .
- (c) Calculate HRA as 20% of Basic .
- (d) Calculate PF as 12% of Basic.
- (e) Calculate Gross Pay and Net Pay .

18) Create a Emp table with the following fields :

(EmpNO,EmpName,Job,Basic,DeptNO, DA,HRA,PF, Date of Joining,GrossPay,NetPay)

- (a) Insert Five Records.
- (b) Calculate DA as 25% of Basic .
- (c) Calculate HRA as 45% of Basic .
- (d) Calculate Gross Pay and Net Pay .
- (e) Display all the Department Numbers and Employees Names .

19) Create a Emp table with the following fields :

(EmpNO,EmpName,Job,Salary,DeptNO)

- (a) Insert Five Records.
- (b) Display the Unique Department Numbers .
- (c) Display all the Tuples .
- (d) Replace the heading ANNSAL instead for Sal * 12 .

20) Create a Emp table with the following fields :

(EmpNO as Primary key , EmpName,Job,Basic Salary)

- (a) Insert Five Records.
- (b) Display all the tuples where job=Accountant .

21) Create a Emp table with the following fields :

(EmpNO,EmpName,Job,Salary)

- (a) Insert Five Records.
- (b) Display all the employees who earn minimum salary .
- (c) Display all the employees who earn maximum salary .

22) Create a Emp table with the following fields :
(EmpNO,EmpName,Job,Salary,Hire date,Dept name)

- (a) Insert Five Records.
- (b) Find Average of salary .
- (c) Display all the clerks in each Dept .

23) Create a Emp table with the following fields :
(EmpNO,EmpName,Job,Basic,DeptNO)

- (a) Insert Five Records.
- (b) Create a view by the name Emp12 .
- (c) Alter the width of field EmpName to 21 characters .

24) Create a Emp table with the following fields :
(EmpNO,EmpName,Job,Basic,DA,HRA,PF,GrossPay,NetPay)

- (a) Insert Five Records.
- (b) Display the employees whose NetPay is lowest in each department .
- (c) If NetPay is less than < Rs. 10,000 add Rs. 1200 as special allowances .

25) Create a Emp table with the following fields :
(EmpNO,EmpName,Job,Basic,DA,HRA,PF,GrossPay,NetPay)

- (a) Insert Five Records.
- (b) Calculate DA as 30% of Basic .
- (c) Delete the tuple where DA=1000.
- (d) Calculate Gross Pay and Net Pay .

26) Create a Course table with the following fields
(Student Name, Course ,College ,Fee)

- (a) Insert five records
- (b) Display the lowest course fee along with the Course
- (c) Display the students name who have done the course M.B.A.

27) Create a Course table with the following fields
(Student Name, Course ,College ,Fee)

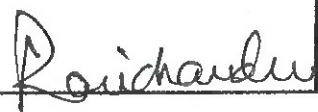
- (a) Insert five records
- (b) Display all the tuples .
- (c) Use any five Aggregate functions .

28) Create a Course table with the following fields
(Student Name, Course ,College ,College Address,,Principal Name ,Fee)

- (a) Insert five records
- (b) Display the Maximum course fee along with the Course
- (c) Display the name of students, their college name, Principal name where the course is M.C.A..


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29) Create a Course table with the following fields
(Student Name, Course, College, Fee, NO. of Seats available, Duration of course)
(a) Insert five records
(b) Display the lowest course fee along with the Course Duration
(c) Display all the tuples .

30) Create Sales_Order table with the fields
(OrderNO, Order_date, clientNO, dely_type, order_status)
dely_type = Partial delivery (p) or Full Delivery (F)
(a) Insert five records
(b) Display the order number and day on which clients placed their order .
(c) Find the date, 15 days after today's date .

31) Create Sales_Order table with the fields
(OrderNO, Order_date, clientNO, dely_type, order_status)
(a) Insert five records
(b) Display the order number and day on which clients placed their order .
(c) Find the date, 15 days after today's date .
(d) Display the month (in alphabetical order) when the order must be delayed .

32) Create Sales_Order table with the fields
(OrderNO, Order_date, clientNO, dely_type, order_status)
(a) Insert five records
(b) Find the order_date in the format 'DD-MONTH-YY'.
(c) Display the order_date as day in character format i.e. 21-Dec-09 .

33) Create Sales table with the following fields
(SalesNO, Salesname, Branch, Salesamount, DOB)
(a) Insert five records
(b) Calculate total salesamount in each branch
(c) Calculate average salesamount in each branch .

34) Create Sales table with the following fields
(SalesNO, Salesname, Branch, Salesamount, DOB)
(a) Insert five records
(b) Calculate total salesamount in each branch
(c) Calculate average salesamount in each branch .
(d) Display all the salesmen who are born in the month of December .

35) Create Sales table with the following fields
(SalesNO, Salesname, Branch, Salesamount, DOB)
(a) Insert five records
(b) Calculate total salesamount in each branch
(c) Calculate average salesamount in each branch .
(d) Add a column called sales price .


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36) Create Inventory table

(SalesNO,Salesname,Branch,Salesamount)

(a) Insert five records

(b) Calculate total salesamount in each branch

(c) Delete the tuple where average salesamount < 1000.

37) Create Inventory table with the following fields

(Product_id , Product name ,Quantity , Price)

(a) Insert five records .

(b) Add a column called sales price .

(c) find the sales price as 50% of purchase of price .

38) Create a table DEPT with the following fields

(DeptNO,dname,Location)

(a) Insert five records

(b) Display the dname which are located in Hyderabad city .

(c) Add a column called deptexpenditure and insert data .

39) Create a table by the name Sports with the following fields

(SportsName ,SportsPerson,Gender, Age ,Experience)

(a) Insert five records.

(b) Display SportsPerson in upper case .

(c) Display SportsName in lower case .

40) Create Inventory table

(SalesNO,Salesname,Branch,Salesamount)

(a) Insert five records

(b) Calculate total salesamount in each branch

(c) Add a column called salesprice .

(d) Calculate salesprice as 20%of salesamount .

41) Create a software table with the following fields

(softwarename , Cost, date of manufacture, date of expiry ,NO of copies)

(a) Insert five records

(b) Display cost and date of manufacture for each software.

(c) Display date of manufacture and date of expiry for each software .

42) Create a software table with the following fields

(softwarename , Cost, date of manufacture, date of expiry ,NO of copies)

(a) Insert five records

(b) Display NO of copies and date of manufacture for each software.

(c) Display date of manufacture and expiry for each software .

43) Create a software table with the following fields

(softwarename , Cost, date of manufacture, date of expiry ,NO of copies)

(a) Insert five records

(b) Display cost and date of manufacture for each software.

(c) Add a column called software type and enter data into it .

(d) Display the name of software in upper case .

44) Create a Faculty table with following fields

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(Name , Specialization , Experience ,Age)

- (a) Insert five records
- (b) Display the name in lower case
- (c) Add a column called Grade
- (d) If the experience is more than five years assign the grade as " A "

45) Create a Faculty table with following fields

(Name , Subjects taught, Date of joining)

- (a) Insert five records .
- (b) Display the name, subject and Date of joining in a format like " 2nd of December 2010 " .

46) Create a table by the name Bank with the following fields

(BankName , Branch, InterestRate, CustomerAge, Amount)

- (a) Insert five records .
- (b) Display all the tuples.
- (c) For the CustomerAge > 55 assign InterestRate as 12% on the amount.

47) Create Stock table with the following fields

(ItemNO, ItemName, Purchases, Sales)

- (a) Insert five records .
- (b) Display the item name which has highest sales
- (c) Add a column called closing stock and declare as " closing stock = purchases - sales " .

48) Create Teacher table with the following fields

(Name , DeptNO, DeptName, Location, Salary)

- (a) Insert five records
- (b) Give Increment of 25% salary for Commerce Department .
- (c) Perform Rollback and Commit commands .

49) Create Client_master with the following fields

(ClientNO, Name, Address, State, bal_due)

- (a) Insert five records
- (b) Find the names of clients whose bal_due > 5000 .
- (c) Change the bal_due of ClientNO " C123" to Rs. 5100
- (d) Change the name of Client_master to Client12 .

50) Create Product_master with the following fields

(ProductNO, Qty, SellPrice, CostPrice)

- (a) Insert five records
- (b) Calculate the average SellPrice of all the products .
- (c) Display the maximum and minimum SellPrice .
- (d) Count the number of products having CostPrice >= 1000 .

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