

FACULTY OF COMMERCE & BUSINESS MANAGEMENT

KAKATIYA UNIVERSITY

B.Com (Computer Applications)

-- Practical Question Bank --

Sl. No.	Semester	Title of the Paper	Paper Code
1	I	Fundamentals of Information Technology	DSC103
2	II	Programming with C & C++	DSC203
3	III	Relational Database Management System	DSC303
4	IV	Excel Foundation	DSC401
5	IV	Web Technologies	DSC403
6	V	Computerized Accounting	DSE502
7	V	a) Management Information Systems b) Ecommerce c) Mobile Applications	DSE503
8	VI	Theory and Practice of GST	DSE602
9	VI	a) Multimedia Systems b) Cyber Security c) Data Analytics	DSE603

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) I Semester
-- Practical Question Bank --
FUNDAMENTALS OF INFORMATION TECHNOLOGY
Sub: DSC103**

Record: 10
Practical: 10
Viva: 15
Total: 35

MS-Word

1. Create a word document to generate the following output: $(a+b)^2=a^2+2ab+b^2$
 $H_2SO_4, H_2O, CO_2,$
 $MNO_2, N_2+H_2 \rightleftharpoons NH_3$
2. Create a news paper model with multi columns.
3. Type a paragraph and perform the following task.
 - a) Make five lists of numbering which contains details of the courses offered in your college.
 - b) Make the five list of bullets having hand symbol which describes about facilities in your college.
 - c) Keep a footnote to any one of the word of the first paragraph.
 - d) Center the heading of your document.
4. Create a word document to display the Time Table of your class. Use all the features of Table Formatting.
5. Use Mail Merge feature to send invitation letters to ex-students of your college inviting them to attend the Alumni meet in your college.
6. Create letterhead of any company or institution that you got and insert the Watermark with that company name in the document.
7. Create a MACRO taking your own data and run it.
8. Create a document on Features of computers and apply different themes.
9. Create Super Script at Subscript as $Co^2; x_2$.
10. Create a word document consisting of 5 pages describing about your college.
Insert headers and footers and page numbers in all the pages.

MS-Excel

11. Enter the Student details with the following columns: Sno, Sname, Subjects marks in first semester. Calculate the Total Marks, Average and Result.
Result should be displayed as "Pass/Fail". Take your own criteria for result.

12. Enter the Student details with the following columns: Sno, Sname, Subjects marks in first semester.
- Calculate the Total Marks, Average.
 - Find the maximum and minimum of marks in Total Marks column.
 - Count the number of students whose Average score is > 70 .
13. Enter the Student details with the following columns: Sno, Sname, Subject marks in first semester.
- Calculate the Total Marks, Average.
 - Use conditional formatting to display the students marks whose score in a particular subject is greater than 90.
 - Use conditional formatting to display the students whose marks are greater than 90 in all the subjects.
14. Consider the following columns:
Sno, Sname, Total marks obtained in first semester. Represent this data using a Bar diagram.
15. Consider the following columns: Month, Sales(Rs.). Plot the data using a line chart.
16. Consider the following student data with columns: Firstname, Lastname, Score(out of 100)
- Sort the above data on Firstname column.
 - Sort the above data on Firstname and then by Lastname (use multilevel sorting)
17. Consider the following student data with columns: Firstname, Lastname, Score (out of 100)
- Filter the above data by displaying the student details where score > 70 .
 - Filter the above data by displaying the student details where score between 50 and 70.
18. Consider the following Sales data with columns:
Date, Salesman Name, Region(North/South/East/West), Sales in Rs.
Generate a pivot table to calculate the Total Sales Region wise. Also calculate the average sales made region wise.
19. Consider Employee details data with the columns: Emp. ID, Employee name, Department and Salary. Generate Department wide sub-totals.
20. Following are the scores of 10 students in an exam: 44, 56, 89, 94, 43, 32, 11, 55, 99, 44. Use functions to calculate Mean, Median and Mode.

MS-Powerpoint

21. Create a presentation of 5 slides to describe the facilities available to students in your college.
22. Create a presentation of 5 slides to describe the benefits of Yoga in human life. Apply different slide transitions.
23. Create a presentation of 5 slides using different slide layouts to describe about Global Warming.
24. Create a presentation of 5 slides describing the side effects of overuse of Smart Phones and apply design templates.
25. Create a presentation of 5 slides describing about the Side effects of smoking using custom animations.

MS-DOS

26. Create the following directory structure:
 - a) Create a directory with your college name.
 - b) Create sub directories with course names under your college name folder.
 - c) Within each course create sub directories for First, Second and Final years.
27. Create the following directory structure:
 - a) Create a directory with your college name.
 - b) Create sub directories with course names under your college name folder.
 - c) Display the above folder structure in the form of a tree.
28. Create the following directory structure:
 - a) Create a directory with your college name.
 - b) Create sub directories with course names under your college name folder.
 - c) Create text files describing about each course in respective course names.
29. Create the following directory structure:
 - a) Create a directory with your college name.
 - b) Create sub directories with course names under your college name folder.
 - c) Create text files describing about each course in respective course names.
 - d) Copy the text files into college name directory.
 - e) Delete the sub directories under college name directory.
30. Demonstrate the use of any 5 internal and external DOS commands with your own data.

* * * * *

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) II Semester
-- Practical Question Bank --
PROGRAMMING WITH C & C++
DSC203**

Record: 10
Practical: 10
Viva: 15
Total: 35

1. Write a C Program to Add Two Integers.
2. Write a C Program to Print an Integer (Entered by the User).
3. Write a C Program to Multiply Two Floating-Point Numbers.
4. Write a C Program to Find ASCII Value of a Character.
5. Write a C Program to Compute Quotient and Remainder.
6. Write a C Program to Find the Size of int, float, double and char.
7. Write a C Program to Swap Two Numbers Using Temporary Variable.
8. Write a C Program to Check Whether a Number is Even or Odd
9. Write a C Program to Check Odd or Even Using the Ternary Operator.
10. Write a C Program to Check Whether a Character is a Vowel or Consonant.
11. Write a C Program to Find the Largest Number Among Three Numbers.
12. Write a C Program to Check Leap Year.
13. Write a C Program to Check Whether a Character is an Alphabet or not.
14. Write a C Program to Calculate the Sum of first 'N' Natural Numbers.
15. Write a C Program to Find Factorial of a Number.
16. Write a C Program to Generate Multiplication Table of a given number.
17. Write a C Program to Display Fibonacci Sequence up to 'n' numbers.
18. Write a C Program to Count Number of Digits in an Integer.
19. Write a C Program to Reverse a Number.
20. Write a C Program to Check Whether a Number is Palindrome or Not.
21. Write a C Program to Check Whether a Number is Prime or Not.
22. Write a C Program to Check whether the given number is an Armstrong Number or not.
23. Write a C Program to Make a Simple Calculator Using switch...case.
24. Write a C Programming Code To Create Pyramid and Pattern.
25. Write a C program to reverse a Sentence Using Recursion.
26. Write a C Program to Display Prime Numbers Between Intervals Using Function.

27. Write a C Program to Convert Binary Number to Decimal and vice-versa.
28. Write a C Program to Check Prime or Armstrong Number Using User-defined Function.
29. Write a C program to calculate the power using recursion.
30. Write a C Program to Find G.C.D Using Recursion.
31. Write a C Program to Calculate Average Using Arrays.
32. Write a C Program to Find Largest Element in an Array.
33. Write a C Program to Add Two Matrices Using Multi-dimensional Arrays.
34. Write a C Program to Find the Length of a String.
35. Write a C Program to Concatenate Two Strings.
36. Write a C Program to Copy String Without Using strcpy().
37. Write a C Program to Count the Number of Vowels, Consonants and so on.
38. Write a C Program to Find the Frequency of Characters in a String.
39. Write a C Program to Access Array Elements Using Pointers.
40. Write a C program to create, initialize, assign and access a pointer variable.
41. Write a C program to swap two numbers using pointers
42. Write a C program to count vowels and consonants in a string using pointers.
43. Write a C Program to Store Information of a Student Using Structure.
44. Write a C Program to Add Two Distances (in inch-feet system) using Structures.
45. Write a C Program to Store Information of Students Using Structure.
46. Write a C program to declare, initialize an union.
47. Write a C++ program to implement function overloading.
48. Write a C++ program to calculate an area of rectangle using encapsulation.
49. Write a C++ program to add two numbers using data abstraction.
50. Write a C++ program to overload binary operators.

* * * * *

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) III Semester
-- Practical Question Bank --
RELATIONAL DATABASE MANAGEMENT SYSTEM
DSC303**

Record: 10
Practical: 10
Viva: 15
Total: 35

A. Create a **Supplier table as shown below : (for questions from 1 to 10)**

Sup_No (Primary Key)	Sup_Name	Item_Supplied	Item_Price	City
S1	Suresh	Keyboard	400	Hyderabad
S2	Kiran	Processor	8000	Delhi
S3	Mohan	Mouse	350	Delhi
S4	Ramesh	Processor	9000	Bangalore
S5	Manish	Printer	6000	Mumbai
S6	Srikanth	Processor	8500	Chennai

1. Write sql query to display Supplier numbers and Supplier names whose name starts with 'R'
2. Write sql query to display the name of suppliers who supply Processors and whose city is Delhi.
3. Write sql query to display the names of suppliers who supply the same items as supplied by Ramesh.
4. Write sql query to increase the price of Keyboard by 200.
5. Write sql query to display supplier numbers, Supplier names and itemprice for suppliers in delhi in the ascending order of itemprice.
6. Write sql query to add a new column called CONTACTNO.
7. Write sql query to delete the record whose itemprice is the lowest of all the items supplied.
8. Create a view on the table which displays only supplier numbers and supplier names.
9. Write sql query to display the records in the descending order of itemprice for each item supplied.
10. Write sql query to display the records of suppliers who supply items other than Processor or Keyboard.

B. Below are the details of Employees working for a software Company. (For questions from 11 to 20) Create the table called **EmpDetails** with the below mentioned details.

Eid (Primary Key)	Ename	DOB	Designation	Salary	DOJ
E101	Suma	29-Dec-89	Designer	20000	01-Apr-10
E102	Amit	10-Jan-95	Programmer	25000	18-Feb-18
E103	Payal	15-Aug-85	Tester	35000	13-Jun-11
E104	Kiran	20-Apr-90	Programmer	40000	7-Mar-14
E105	Meenal	29-May-83	DBA	50000	9-Dec-11
E106	Sheila	1-May-70	Analyst	60000	25-Sep-18
E107	Swamy	13-Jan-85	Programmer	45000	14-Feb-16
E108	Sushma	22-Dec-76	DBA	45000	31-Jan-12

11. Write sql query to display all the employees whose designation is Programmer.
12. Write sql query to display employees who have joined after 2014.
13. Write sql query to display all the employees whose name ends with 'a'.
14. Write sql query to display the total salary of all the employees whose designation is programmer.
15. Write sql query to display all the employee names in upper case.
16. Write sql query to display the details of the employee with highest experience.
17. Write sql query to display the details of the employees whose name contains 'ee'.
18. Write sql query to increase the salaries of employees by 5000 whose designation is DBA.
19. Write sql query to display the employees whose salary is more than the average salary of all the employees.
20. Write sql query to display the record in the following format: xxxxxxxxx is working as xxxxxxxxxxxxxxx with a Salary of Rs.xxxxxxxx
eg: Suma is working as Designer with a Salary of Rs. 20000

C. Create the two tables as shown below with the given constraints:

(for questions 21 to 30)

Table name: **Employee**

Tablename: **Department**

Constraints: Eid is Primary key and DeptId is foreign key

Constraints: DeptId

Primary key Salary should not be less than 10000

and Dname is NOT NULL

Eid (Primary Key)	Ename	DeptId (Foreign Key)	Designation	Salary (> 10000)	DOJ
101	Sudha	D2	Clerk	20000	01-Apr-10
102	David	D1	Manager	50000	18-Feb-18
103	Preethi	D3	Clerk	35000	13-Jun-11
104	Kiran	D1	Salesman	20000	7-Mar-14
105	Meenal	D2	Clerk	50000	9-Dec-11
106	Sunitha	D3	Manager	60000	25-Sep-18
107	Akhil	D3	Clerk	25000	14-Feb-16
108	Sushma	D2	Manager	45000	31-Jan-12

DeptId (Primary Key)	Dname
D1	Sales
D2	Marketing
D3	Finance

21. Write sql query to display all the employees who earn more than average salary of all the employees in the company.
22. Write sql query to display the fields Eid, Ename and Dname.
23. Write sql query to sort the employee table in the descending order of salaries.
24. Write sql query to list all the job designations in the employee table without repetitions.
25. Write sql query to display all the employee details Department wise and in the ascending order of their salaries.
26. Write sql query to display all the clerks in DeptId D2.
27. Write sql query to display all the employees who joined in the year 2011.
28. Write sql query to display all the employees who joined in the month of February.
29. Write sql query to display all the employees whose salary is between 30000 and 45000.
30. Write sql query to display all the employee details along with their work experience in the company till current date.

D. Below are the details of Students enrolled in various course of B.Com (For questions from 31 to 40)

Create the table called **Student** with the below mentioned details.

Sid (Primary Key)	Sname	DOB	State	Gender	Category	Course
1001	Neha	29-Dec-02	Telangana	F	Gen	Comp
1002	Arun	10-Jan-02	Telangana	M	OBC	Honors
1003	Payal	15-Aug-01	Maharashtra	F	Gen	Appl
1004	Amrita	20-Apr-02	Karnataka	F	OBC	Honors
1005	Pavan	29-May-03	AndhraPradesh	M	ExServicemen	Comp
1006	Anchal	1-May-03	Gujarat	F	OBC	Comp
1007	Ramya	13-Jan-02	Telangana	F	Gen	Appl
1008	Rakesh	22-Dec-01	AndhraPradesh	M	Sports	Comp

31. Write sql query to display the students who are not from Telangana or AndhraPradesh.
32. Create a view to display the columns Sid, Sname for students belonging to Telangana.
33. Write sql query to create an index on column Sname.
34. Write sql query to display all the female students enrolled under Comp course and who belong to OBC.
35. Write sql query to display the student ids, names, and their presentage.
36. Write sql query to display the students in the ascending order of their names for each course.
37. Write sql query to delete all the students records who have enrolled for Comp course and who are born after 2002.
38. Write a sql query to add two new columns Contactno and Email to the existing fields.
39. Writs an sql query to display all the Student names prefixed with Mr./Ms. Based on Gender column.
40. Write an sql query to display all the Student names where the length of the name is 5 characters.

E. Create a Table for Library Information : (for questions from 41 to 50)

Table name: **Library**

Constraints: BookId is primary key and BookName is NOT NULL

BookId (Primary Key)	BookName	Author	DatePurchased	Publisher	Price
B101	Cost Accounting	Jain Narang	11-Feb-13	Kalyani	800
B102	Business Statistics	OP Aggarwal	22-Dec-11	Himalaya	750
B103	Rdbms	C J Date	2-Mar-15	TMH	900
B104	Mgmt Accounting	RK Sharma	19-Apr-16	Kalyani	450
B105	Operating Systems	Galvin	25-Nov-13	PHI	750
B106	Advanced Accounting	SC Gupta	16-Apr-18	Himalaya	600

41. Write sql query to display the list of authors from Himalaya publications.
42. Write sql query to display the total cost of books purchased Publisher wise.
43. Write sql query to count the total number of books under Kalyani publications.
44. Write sql query to rename the column Publisher as Publications.
45. Write a sql query to display the books in the ascending order of DatePurchased.
46. Write sql query to create an index on the fields BookName and Author.
47. Write sql query to display the books whose price is between 500 and 700
48. Write sql query to increase the price of all the books by 200 for publishers other than Himalaya or Kalyani.
49. Write sql query to display the book details where author name contains the name Sharma.
50. Create a view to display the fields BookId and BookName where the Publisher is Himalaya.

* * * * *

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) IV Semester
-- Practical Question Bank --
EXCEL FOUNDATION
DSC401**

Record: 10
Practical: 10
Viva: 15
Total: 35

1. Create a Student table(5 Records) with appropriate *Numberformatting*:
i) Roll Number ii) Name iii) Class iv) Date of birth
v) % of Marks vi) Fees paid in INR vii) Remarks
Use five *data entry techniques* while creating the table
2. Create a Student table with appropriate *Data Validation criteria* with the following columns:
i) Roll Number ii) Name iii) Sale Quantity iv) Sale Value v) Commission
a) Sale Quantity and Value should be in whole numbers
b) Commission is 8% of Sale value and be in two Decimals
c) Sale value column should accept only values from 5000
3. Construct a table of a student with the following:

Paper	% Marks	Grade Letter	Grade Point
I	90		
II	80		
III	50		
IV	40		
V	65		

Use appropriate function to choose the Grade Letter and Grade points basing on the following logic:

Range of % Marks	Grade Letter	Grade Point
85-100	O	10
70-84	A	9
60-69	B	8
55-59	C	7
50-54	D	6
40-49	E	5
Less than 40	F	0

4. Find out Semester Grade Point Average (SGPA) of a student for Semester I with the following:

PAPER	%Marks	CREDITS	GRADE POINT	GRADE LETTER	CREDIT POINTS
I	60	4	8		
II	50	4	6		
III	70	4	9		

- a) Use appropriate function to choose the Grade Letter using a suitable logical function
(Grade Letter for 60-69=B; 50-54=D; 70-84=A)
- b) Credit Points=Credits x Grade point
- c) SGPA=Total Credit points/Total Credits. Adjust to 2 decimals.
- d) No SGPA for F grade.

5. Find out Semester Grade Point Average (SGPA) of a student for Semester II with the following:

PAPER	%Marks	CREDITS	GRADE POINT GRADE LETTER	CREDIT POINTS
I	70	4	9	
II	65	4	8	
III	70	4	9	

- a) Use appropriate function to choose the Grade Letter and Grade points (Grade Letter and Grade points for 60-69=B; 70-84=A)
 - b) Credit Points=Credits x Grade point
 - c) SGPA=Total Credit points/Total Credits. Adjust to 2 decimals.
 - d) No SGPA for F grade
6. Find out Cumulative Grade Point Average (CGPA) of a student for Semesters I and II with the following using appropriate functions:

Paper	SEM I		SEM II	
	Credits	Grade points	Credits	Grade points
I	4	8	4	9
II	4	6	4	8
III	4	9	4	9
				CGPA=
				DIVISION=

- a) Credit points= Grade points x Credits
- b) CGPA= Total Credit points of both I and II Semesters/Total credits of both Semesters**
- c) Find Division of the student:

Division Distinction	Range of CGPA 9-10
First	8-8.99
Second	6-7.99
Pass	5-5.99

7. The following are the Marks obtained by Students in three subjects. Draw a **Bar** diagram with appropriate Design, Formatting options and Chart headings:

ROLL NO	NAME	S1	S2	S3
101	A	50	60	70
102	B	60	40	80
103	C	70	60	50
104	D	60	50	60
105	E	50	90	40

8. The following are the details of Expenditure. Draw a **Pie** diagram with appropriate Formatting options, including Percentages and Chart headings:

Expenditure	Rs.
Food	10000
Rent	5000
Clothing	1000
Fees	4000

9. Execute the following:
- Change a Sheet Tab colour
 - Rearrange Worksheets
 - Hide a Worksheet
 - Compare sheets side-by-side
 - Use Find and Replace with an example

10. From the following table, select *Non-contiguous* cells having values 10,20,30 and calculate Total, Average and Multiplication, using *Define Name* concept:

Paper	S1	S2	S3
1	10	40	50
2	60	20	70
3	80	90	30
4	40	50	60

11. **Add** Sheet 1 values and Sheet 2 values with Sheet 3 values using *Multi Sheet Range* concept:

Roll No	Sheet 1 Marks	Roll No	Sheet 2 Marks	Roll No	Sheet 3 Marks
1	10	1	100	1	50
2	20	2	200	2	60
3	30	3	300	3	70

12. Create the following table:

Roll No	Name	S1	S2	S3	Total
1	Sastry	50	60	70	
2	Prasad	80	90	100	
3	John	90	80	70	
4	Siva	60	50	40	
5	Satish	50	60	70	

From Total column:

- Copy only *Formula* and Paste in the next (Right) cell
- Copy only *Values* and Paste in the next cell
- Copy only *Formats* and Paste in the next cell
- Write a Comment in Total column of Roll No 4
- Copy only the *Comment* and Paste in the next cell

13. Create the following table and apply formatting options as mentioned:

Roll No	Name	S1	S2
1	A	90	90
2	B	100	99
4	C	90	90
3	D	95	95

- Resize the table to include one Row and one Column
- Apply any table style
- Sort the table on Roll No
- Select 'Header Row' table style
- Calculate Total and Average of each student

14. Derive Variances after comparing Total Standard cost with Actuals:

TASK	LABOUR(V)		MATERIAL(V)		TOTAL	SEMI	TOTAL	ACTUALS	VARIANCES
	HOURS	RATE	UNITS	RATE	VARIABLE	FIXED	(STD)		
					COST(TVC)	COST	COST		
1	10	100	20	200				4000	
2	20	100	40	200				12000	
3	20	200	20	400				12000	

- Semi-Fixed Cost is 20% of Total TVC if TVC is upto Rs.10000
- 40% if Total TVC if TVC is above Rs.10000

15. Calculate Total, Average and Result of the following:

ROLL NO	NAME	S1	MARKS	S3	TOTAL AVERAGE	RESULT
		S2				
1	A	80	90	100		
2	B	60	70	20		
3	C	90	80	10		

- For Pass, every subject should be 40 or above marks
- For Fail, any one subject be Less than 40

16. Prepare a Payroll with the following:

EMP ID	E.NAME	BASIC	DA	HRA	GROSS	PF	ESI	NET
101	A	1000						
102	B	2000						
103	C	3000						
104	D	2000						
105	E	5000						

- DA is 50% of Basic
- HRA is Basic + DA
- HRA is 15% of Basic
- Gross pay=Basic+DA+HRA
- PF is 12% of Basic+DA
- ESI is 5%
- Net Pay= Gross-PF-ESI

17. Complete the following Income Statement for year 2017:

<u>I-</u> REVENUE	Rs. In Lakhs
Sales	2000
Services	200
Total	?
<u>II-</u> EXPENSES	
Salaries	300
Cost of Goods sold	400
Total Expenses	?
<u>III-</u> NIBT(Net Income Before Taxes)	?
(Total Revenue-Total Expenses)	-----
Income Tax	?
NET INCOME(NIBT-I Tax)	?
(income tax=NIBT upto 200=Nil;	201-400=10.12%, 400 above=20.24% on NIBT)

18. Create the following table of a class:

ROLL NO	NAME	MARKS
1	A	82
2	B	92
3	C	62
4	D	62
5	E	72

i) Find out the topper of the class ii) Find out the least scorer of the class iii) Find out who got exactly 62 marks

19. Create the following Inventory table of Product No100 Product Name: Book:

DATE	OPENING	PURCHASES	ISSUES	CLOSING
1.1.2018	0	300	50	
10.1.2018		200	50	
20.1.2018		100	100	
31.1.2017		100	50	

i) Find out each day's Closing balance
 ii) Previous day Closing balance is next day Opening balance=system should reflect automatically
 iii) An entry about destruction of Books numbering 20 on 25.1.2018 should be taken now
 iv) If the unit value is Rs.100, what is the closing stock value as on 31.1.2018?

20. Create the following table:

ROLL NO	NAME	S1	S2	S3
1	A	80	60	70
2	B	60	70	80
3	C	40	40	30
4	D	60	50	40
5	E	50	60	70

Using Conditional Formatting highlight, who scored :

i) More than 50 in S1 ii) Less than 50 in S2 and iii) Between 50 and 70 in S3

21. Create the following table:

ROLL NO	NAME	S1	MARKS		%	RESULT	DIVISION
			S2	S3			
1	A	80	60	70			
2	B	60	70	80			
3	C	40	40	30			
4	D	60	50	40			
5	E	50	60	70			

- i) To declare 'Pass', to get ≥ 40 marks in *every* subject.
- ii) To declare 'Fail', to get < 40 in *any one* subject
- iii) Division is only for 'Pass' candidates

Division= Distinction above 90%

First	80% - < 90%
Second	60% - < 80%
Pass	40% - < 60%
'_'	< 40%

22. Create Column chart for S1 and S3 only

ROLL NO	NAME	S1	S2	S3
1	A	80	60	70
2	B	60	70	80
3	C	40	40	30
4	D	60	50	40
5	E	50	60	70

23 Create the following table:

ROLL NO	NAME	S1	S2	S3
1	A	80	60	70
2	B	60	50	80
3	C	40	50	30
4	D	70	50	40
5	E	50	60	70

- i) Find out the Maximum score in S1, Minimum score in S2 and use Count S3
- ii) Find out Median of S1 scores and Mode of S2 scores

24. Create a table with the following and Calculate Fees Concession:

FEES CONCESSION

ROLLNO	NAME	CATEGORY	%
1	Iyer	N	90
2	Nair	D	60
3	Nambiar	N	50
4	Krishnan	D	70
5	Ambal	G	40

Concession Policy:

CATEGORY	%	CONCESSION
N	above 50	10%
D	above 50	20%
G	above 40	15%

- i) In all other cases there is NO concession.
- ii) Fees paid by each one of them is Rs.10000

25. Create the following table and calculate Incentive:

EMP ID	NAME	SALES(Rs)	INCENTIVE
101	A	10000	
102	B	20000	
103	C	10000	

Policy:

Sales between 10000-15000=5%

>15000-<20000=6%

>=20000-<30000=8%

26. Calculate *Annual* payment/instalment for a loan using an appropriate function: Loan amount: Rs. 10,00,000

Years of repayment: 10 years Rate of interest 10%

- a) If the payments are Monthly, instead of Annual, what is the instalment
- b) If the payments are quarterly, instead of Annual, what is the instalment
- c) If the rate of interest is changed to 15% on Annual payment basis, what is the instalment

27. Create a Pivot table with the following:

Days\Periods		I	II	III
MON	ENG		FA	IT
WED	ENG		FA	IT
FRI	ENG		FA	IT

Inter change the Rows into columns, using the Pivot table The Pivot table be placed in a New Worksheet

28. Create a table showing the differences between VAT system and GST system. Find out the Manufacturer's invoice value:

Value to Manufacturer:

	Under VAT	Under GST
Production Cost	1000000	1000000
+ Profit (20%)		
+Excise duty (10%)		
=Total Production cost		
+ VAT (18%)		
+State GST (9%)		
+Central GST(9%)		
MANUFACTURER'S		

INVOICE VALUE

- Excise duty and VAT apply to VAT system only
- State and Central GST apply to GST system only

29. Create a table of 5 records with your own data showing the following:

ROLLNO	NAME S1	S2	TOTAL MKS	RESULT
--------	---------	----	-----------	--------

30. Create a **Pie** chart basing on 5 records with your own data :

FOOD ITEM	EXPENDITURE
-----------	-------------

- % and Names of the expenditure should be displayed
- Change the colour of any one food expenditure

31 . Create a COLUMN chart basing on 5 records with your own data :

FOOD ITEM	EXPENDITURE
-----------	-------------

- Names of the expenditure should be displayed on each column
- Change the colour of any one food expenditure\item
- legend should be on left side

32. Create an Inventory Re-ordering Report with the following columns:

ITEM	STOCK (Kgs)	REMARKS
Steel	1000	
Iron	600	
Brass	500	

- In Remarks column mention "Reorder", if the Stock of any item goes below 600 Kgs
- If the stock is 600 or above mention Remark "No Need"

40. Create the following table with your own data:

ROLLNO	S1	S2	TOTAL
--------	----	----	-------

- i) Total by using a Function
- ii) Using Paste Special perform the following:
 - a) copy formula and paste in another cell
 - b) copy only values from formula and paste in another cell
 - c) Perform Add, Subtract operations

41. Show the following concepts by using appropriate examples:

- i) Merge and Center
- ii) Format Painter
- iii) Wrap text
- iv) Shrink to fit long data in a cell
- v) Fill colour in a cell
- vi) increase column/row height/width

42. Sales figures of GPS for two months are as follows:

Product 1	Product 2
Range 1 =Jan 1000	2000
Range 2=Feb 3000	4000

Combine values from Ranges 1 and 2 into one new Range using Consolidation.

43. The following is the stock position of *Excel Foundation* Book in a Library:

OP STOCK	RECEIPTS	ISSUES	CL STOCK
100	200	120	

- i) Find out the closing stock
- ii) *Hyperlink* the Receipts quantity to Sheet 2 of the same Workbook to know details of Receipts
- iii) *Hyperlink* Issues to Sheet 3 of the same Workbook to know details of Issues.

44. Find out the Break-even output with the following: Fixed Cost: Rs.40000

Average Variable Cost

Rs.8

Market Price

Rs.13 Output to produce to Break-Even ?

BE in Quantity=Fixed cost/(Market price-Average Variable cost)

BE in Sales=Sale price *BE in Quantity

45. Using Built-in Excel Template, prepare Personal Monthly Budget.

46. Using Built-in Excel Template, prepare Billing Statement/Invoice

47. Generate a table with only RollNumbers till 20 using *Autofill* concept Set the following printing options:

- i) No. Of copies 10
- ii) Orientation is *Landscape* iii) Print on *both sides* iv) Size A4
- v) insert a page break after Roll No 8
- vi) give *Wide* (Top,bottom,left and right 2.54 cms each) Margins vii) give appropriate Header and Footer

48. The following is a *Projected* P&L Account of ABC Co for the year ending 31.3.2019

Cost of Production	100	Sales	150
Selling Expenses	20	Misc Income	20

Using IF() or PRODUCT() functions:

- i) Calculate Gross/Net profit or loss
- ii) Effect on Net profit or loss, if the Cost of Production is increased by 50%
- iii) Effect on Net profit or loss, if the Sales are decreased by 50%

49. Create the following table and calculate Cash Discount:

PROD ID	P.NAME	SALES(Rs)	CASH DISCOUNT
10	A	10000	
15	B	20000	
20	C	10000	

Policy:

If Sales are between 10000-15000=3%

>15000-<20000=5%

>=20000-<30000=10%

50. Find out **Future Value** of the following, payable to a customer: Rs.10000, Rs.20000 Rs.30000

i). If the rate of Interest is 10%, Time period is 10 years

ii). If the rate of interest is 10%, Time period is 10 years but compounded half yearly. iii). If

the above amounts are Future values, what are the Present values if Rate is 10% and Time period is 10 years

FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal

B.Com (Computer Applications) IV Semester
-- Practical Question Bank --
WEB TECHNOLOGIES
DSC403

Record: 10
Practical: 10
Viva: 15
Total: 35

1. Write a HTML program to implement Formatting tags.
2. Write a HTML program to demonstrate all Logical tags.
3. Write a HTML program to implement all Header tags.
4. Write a HTML program to illustrate Anchor tag along with all its attributes.
5. Write a HTML program to insert Image tag with all its attributes.
6. Create a Web Page to display the text "ALL **THE BEST**" aligned with images.
7. Write a HTML program to implement Font tags along with its attributes.
8. Write a HTML program to illustrate List formatting tags for the streams available in College
 - a. Ordered list
 - b. Unordered list
 - c. Menu List.
 - d. Definition List.
9. Create a Web Page to display ordered list, unordered list on the subjects available in Fifth semester .
10. Create a Table with Four rows and Four columns in HTML.
11. Write a HTML program to create a Time-table of your College using necessary options such as Cellpadding, Cellspacing , colspan , rowspan .
12. Write a HTML program to marquee the image and text.
13. Create a Web Page in which the text " **WEB TECHNOLOGY** " should scroll in different directions for four times .
14. Create a table using all its attributes and sub tags to execute the following Information .

S.No	Name	Specialization
1.	Ada Lovelace	She is World's first Computer Programmer.
2.	Adam Osborne	Creator of the first commercially available Portable Computer .
3.	Abhay Bhushan	Author of the File Transfer Protocol .
4.	Alan Cooper	Father of Visual Basic .
5.	Alan Emtage	Developer of " Archie " which is considered to be the first search engine.
6.	Alan Schaaf	Founder of " Imgur " which is the world's largest image hosting site .
7.	Alexander Douglas	Created the first graphical Computer game, OXO .
8.	Andreas Bechtolsheim	Co-founder of Sun Microsystems.

15. Create a Program on the concept of Form containing Textboxes, Radio Buttons and Check boxes.
16. Create a Program on Employee Information Form.
17. Write a program to create Pull down menu on the universities available in Telangana State.
18. Write a program to create Pull down menu on various Web Designing Softwares.
19. Create a Web Page of student information form, when the information is submitted message should be displayed .
20. Write a HTML program to create Four Vertical Frames .
21. Write a HTML program to create Four Horizontal Frames.
22. Write a DHTML program for Cascading style Sheets.
23. Write a DHTML program to demonstrate Inline Style Sheets.
24. Write a DHTML program to demonstrate External Style Sheets.
25. Write a DHTML program to demonstrate Embedded Style Sheets.
26. Write a DHTML program to illustrate Id and Class Selectors using CSS.
27. Write a DHTML program to demonstrate Filters.
28. Write a DHTML program to demonstrate Transitions.
29. Write a DHTML program to demonstrate changing text and attributes using CSS.
30. Write a Java Script program to calculate Area and circumference of a Circle .
31. Write a Java Script program to display Greatest Number among Three Numbers .
32. Write a Java Script program to demonstrate Arithmetic Operations using Switch case.
33. Write a Java Script program to print Odd numbers using while loop.
34. Write a Java Script program to demonstrate multiplication table .
35. Write a Java Script program using any five events.
36. Write a Java Script program to print N-natural numbers using For loop.
37. Write a Java Script program to print Factorial of a given number .
38. Write a Java Script program to demonstrate Arrays.
39. Write a Java Script program to demonstrate String manipulating functions.
40. Write a Java Script program to demonstrate Math objects.
41. Create a Web page with an image, when the mouse is double clicked new image should replace the existing.
42. Create a Web page and apply mouse effects to change text color, size, family etc on the text.

43. Create a Web page which displays a line of text, when you click on the text a new line of text should overwrite the existing text.
44. Create a program on the event onkeypress.
45. Create a program on the event onreset .
46. Create a XML document for employee database with 10 records and 5 columns in each record.
47. Create a XML document for student database and apply the style sheet effects.
48. Create a XML document with simplelinks
49. Create a XML document for the Marketing department of an organization and apply style effects.
50. Create a program on XML Document Object Model.

KAKATIYA UNIVERSITY

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT,
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) V Semester
-- Practical Question Bank --
COMPUTERIZED ACCOUNTING**

DSC502

Record: 10
Practical: 10
Viva: 15
Total: 35

1. Create a company with Imaginary details.
2. Create a Company in Tally with following details:-

Name	Rahul Enterprises
Mailing Name	Rahul Enterprises
Address	12-1-975/A Sultan Bazar, KingKothi, Hyderabad
Country	India
State	Telangana
PIN Code	500001
Mobile No.	9988776655
E-mail ID	rahul@gmail.com
Country	India
Maintain	Accounts with Inventory
Financial Year From	1-4-2018
Books Beginning from	1-4-2018
Tally Vault	No
Security Control	No

3. Create a Company with imaginary details by selecting country As United States and giving Tally Password and activating Security Control by set Yes.
4. Create the following Ledgers under relevant groups in Tally giving their Opening Balances and display the following for **Suresh & Co.:**
 - i. **Trial Balance - Total Rs.3,43,200/-**
 - ii. **Profit and Loss Account - Gross Profit Rs.36,500/- Net Profit Rs.24,800/-**
 - iii. **Balance Sheet - Total Rs. 1,01,000/-**

Debit Balances	Amount Rs.	Credit Balances	Amount Rs.
Stock (1-4-2017)	96000	Capital	50000
Wages	28000	Loan	9000
Salaries	4000	Sales	250000
Carriage Inward	5000	Reserve for Bad Debts	5000
Purchases	120000	Discount on Purchases	4000
Interest on Loan	200	Creditors	23000
Cash at Bank	1800	Purchases Returns	1500
Buildings	11000	Outstanding Expenses	700
Sales Returns	1000		
Debtors	35000		

Office Expenses	5500		
Drawings	6500		
Depreciation	2000		
Rent	2400		
Plant	18000		
Travel Expenses	5000		
Advertisement	1600		
Cash in Hand	200		
	343200		343200

Closing Stock (31-3-2018) Rs. 35000/-

5. Create the following ledgers in **Multiple Ledger Creation Mode:-**

Sl No.	Ledger Name
1.	Machinery A/c
2.	Furniture A/c
3.	Land & Building A/c
4.	Loose Tools A/c
5.	Fixtures A/c
6.	Discount Paid A/c
7.	Discount Received A/c
8.	Interest Paid A/c
9.	Interest Received A/c
10.	Commission Paid A/c
11.	Printing Stationery A/c
12.	Postage A/c
13.	Wages A/c
14.	Loan Taken from HDFC Bank A/c
15.	Suspense A/c
16.	Motive Power A/c
17.	Purchases A/c
18.	Sales A/c
19.	Capital A/c
20.	Bank A/c

6. Create the following ledgers in **Single Ledger Creation Mode:-**

Sl No.	Ledger Name
1.	Land & Building A/c
2.	Furniture & Fixture A/c
3.	Trade Marks A/c
4.	Patents A/c
5.	Debtors A/c
6.	Discount Paid A/c
7.	Discount Received A/c
8.	Commission Paid A/c
9.	Printing & Stationery A/c
10.	Creditors A/c
11.	Wages A/c
12.	Purchases A/c

13.	Sales A/c
14.	Capital A/c
15.	Bank A/c

7 Create following Godowns for "Dinesh Kirana Store ": Kothi, Sultan Bazar, Begum Bazar.

8. Create a company named "Dinesh Kirana Store " and create following stock Groups and stock items according to the given information:

Stock Item	Company / Brand (Stock Group)	Unit of Measurement	Quantity	Price
Rice	Daawat	Kg.	500	100
Oil	Gold Drop	Ltr	1000	105
Mustard Oil	Fortune	Ltr	250	120
Biscuits	Sunfeast	No.	500	10
Chilli Powder	Everest	Pkt	100	50
Black Pepper	Everest	Pkt	100	40

9 Enter following business transactions for National Traders.

Business Transactions for the months of May and June 2009 are as follows:

Date	Transaction Details
10-5-09	Bank Advice received for bank interest of Rs.500 credited to the deposit account.
11-5-09	Electricity bill (Office costs) for Rs.400 received from Horizon Enterprises.
13-5-09	Sold 1 HP LaserJet 1010 Series for Rs 9,500 to a cash customer, retaining the money as Petty Cash.
19-5-09	Salaries of Rs 2,500. Amount paid through Bank Account.
24-5-09	Sold 1 HCL Pentium IV for Rs. 21,500 to Supreme Computers.
30-5-09	Purchased 5 USB Pen Drives 64MB @ Rs. 1,250 each from Challenger Systems on credit.
01-6-09	Paid freight charges of Rs 200 from petty Cash
01-6-09	Paid Challenger Systems Rs. 11,500 by cheque
09-6-09	Transferred Rs 6,000 from Bank Account to Deposit Account.
15-6-09	Cheque for Rs 15,000 received from Spectrum Computers
22-6-09	Purchased 4 IBM Pentium IVs for Rs. 17,100 each from a new supplier and paid by cheque
22-6-09	Sold 2 IBM Pentium IVs for Rs. 24,785 to a customer who paid by cheque

10. Enter the following transaction:

1. Started business with Cash Rs.2, 00,000
2. Purchased Goods from Amit Suppliers on credit of Rs.1, 50,000.
3. Deposit Cash in to Bank Rs. 25,000
4. Sold goods to Dynamic Traders Pvt. Ltd. of Rs. 1, 30,000
5. Received a cheque of Rs. 1, 27,000 from Dynamic Traders Pvt. Ltd.
6. Issued a cheque of Rs. 1, 00,000 as a partial payment to Amit Suppliers.
7. Purchase Goods for Rs. 45000 by Cash
8. Purchase Goods for Rs.8500 by SBI Bank.
9. Purchase Goods from "Phani" for Rs. 67500 for Credit.
10. Purchase Goods from "Siva Mohan Agency" for Rs. 7200 and paid by SBI Bank Cheque.
11. Purchase Goods from "Mehatha G/s" for Rs. 15000 and Cash Disc. received @ 2%.

12. Cash Purchase Goods from "Krishna G/s" for Rs. 12000.
13. Goods given to proprietor daughter Rs. 1800.
14. Purchased furniture for proprietor's residence by cash.
15. Cash Withdrawn from Bank.

11. Pass following Journal entries:

1. Rs.6000 was stolen from the safe of the firm.
2. Received an order from Kapil for the supply of goods worth Rs. 240000. In this connection we received Rs. 120000 as Advance.
3. Goods sold for cash Rs. 60000. Also received 7 % sales tax.
4. Given as Charity: Cash Rs. 6000, Goods Rs. 18000 & Sofa-set worth Rs. 24000.
5. Goods worth Rs. 4200 stolen by an employee.
6. Purchase two House worth Rs. 110000 for the business.
7. Goods given to proprietor daughter Rs. 1800.
8. Goods worth Rs. 6000 Destroyed by fire.
9. Goods worth Rs. 12000 distributed as sample.
10. Bricks worth Rs. 600000 purchased for the construction of building.

12. Journal the following transaction in the books of Mr. X for the month of January 2017.

Jan-1 X having no capital of his own started business with Rs. 10000 borrows from his friend Mr. R @12% p.a

Jan-2 Purchased goods worth Rs. 6000 less 20% trade discount and 5% cash discount. Mr. M & Co. For cash and supplied then to Mr. R at least price less 10%.

Jan-3 Goods worth Rs. 200 was damaged in transit a claim was made on the railway authority for the same.

Jan-4 Under instruction from Mr. M & Co, X supplied goods listed at Rs. 1000 to Mr. S. Received the invoice at 20% trade discount from Mr. M & co.

Jan-5 Received cash from Railway in the full settlement of claim for damages in transit.

Jan-6 Received from travelling sales man Rs. 1400 for goods sold by him after deducting his travelling expenses Rs. 50.

Jan-7 Mr. S declared his insolvent and dividend of 50 Paise in the Rupees is received from him in the full settlement of his account.

Jan-8 Bought a horse for Rs. 600 as a carriage for Rs. 1200 for delivering goods to the customers.

Jan-9 Bought goods worth Rs. 700 from Mr. D and supplied them to Mr. K at Rs. 1000.

Jan-10 Mr. K returned goods worth Rs. 50 which in turn was sent to Mr. D.

Jan-11 one month interest to Mr. R on capital supplied by him due but could not be paid.

Jan-12 The horse bought on 8th January died on his body was sold for Rs. 30.

13. Journalise the following transaction in the books of Ram. Post them in the ledger and balanced the various accounts opened in the ledger.

April-2 Ram started his business with Cash Rs. 70000.

April-3 Deposited in to Bank Rs. 50000.

April-4 Purchased goods for cash from Mr. X Rs. 5000. **April-5** Bought goods on credit from Mr. Y Rs. 6000. **April-6** Returned goods to Mr. Y Rs. 1000.

April 10 Sold goods for cash to Mr. A Rs. 6000.

April-15 Sold goods to Mr. B Rs. 6000.

April-16 Mr. B returns goods Rs. 1000.

April-17 Drew from Bank for personal use Rs. 5000.

April-25 Paid to Mr. Y in full Settlement by Cheque Rs. 4800.

14. Enter the Following Transactions maintain billwise details:- Mohan started business with cash Rs 10,000

Purchase following stock item items from Ravi on 1 Oct 2015.

Bill no	Item	Purchase price /unit	Unit purchase
No/001	Dove soap 100 gm	Rs.50	100
No/001	Dove soap 200 gm	Rs 100	50
No/001	Lux soap 100 gm	Rs 22	100
No/001	Lifebouy 100 gm	Rs 20	200

Purchase following stock item from Sudha trader on 2 oct 2015

Bill no	Item	Purchase price /unit	Unit purchase
No/002	Maggi 100 gm	Rs.8	100
No/002	Maggi 400 gm	Rs 35	50
No/002	Top remen 100 gm	Rs 12	100
No/002	Top remen 400 gm	Rs 40	200

15. Create a Company and Enter the Followings and Find as per maintain Bill-wise Details

- Goods sold to Ravi Rs. 15000/- (1-Apr-2014)
- Cash received from Ravi Rs. 10000/- (1-Apr-2014)
- Goods sold to Ravi Rs. 10000/- (1-May-2014)
- Cash received from Ravi Rs. 20000/- (1-May-2014)
- Goods sold to Ravi Rs. 25000/ (1-Jun-2014)
- Interest charged to Ravi Rs. 500/- (1-Jun-2014)

16. Show the balance sheet of Royal Star Company, with the following accounts, under relevant groups with imaginary figures:

- Fixed assets: a) Land b) Building c) Machinery d) Furniture e) Goodwill
- Current assets: a) Trade Debtors b) Stock c) Bills Receivable d) Bank e) Cash
- Loan accounts: a) Loan from Andhra Bank b) Loan from Ramu
- Capital account

17. Enter the following transactions by creating relevant accounts and groups.

- Purchased goods from Ram Rs.10000
- Purchased goods from Roshan Rs.5000 iii)Purchased goods from Mohan Rs.20000
- Sold goods to Leela Rs.25000
- Sold goods to Praveena Rs.30000 vi)Sold goods to Praveen Rs.20000.

18. From the information given below prepare P & L account & B/S.

Salaries	70,000	Capital	6,00,000
Rent	30,000	Commission received	10,000
Stationary	5,000	Sales	1,65,000
Cash	45,000		
Furniture	4,60,000		
Purchases	84,000		
Machinery	81,000		

Adjustments: Outstanding Rent Rs.1000, Depreciation on furniture @ 5%, Machinery @ 4%.

19. Mr.Rajesh started business with cash Rs.3,00,000:

- i) Purchased 30 CTV's @10,000 each for cash. ii) Paid carriage on purchase Rs.2000
- iii) Sold 12 CTV's @12,000 each for cash
- iv) Sold 10 CTV's @12,000 each to Rajnikant.
- v) Paid salaries Rs.2,000 and Rent Rs.1,000 Prepare P & L A/c.

20. Edit the following transactions:

- i. Bought goods worth Rs.5,550, alter it to Rs.7,000
- ii. Sold Goods to Roja Rs.5,000 alter it to Rs.3,000
- iii. Cash received from Kamesh Rs.1,000 alter it to Krishna
- iv. Paid cash to Yadav Rs.1,000, alter to bank.

21. From the following ledger balances of Ayaan Ltd., prepare Trading and P & L a/c for the year ending 31-3-2018 and a balance sheet as at that date.

Particulars	Rs	Particulars	Rs
Cash in hand	15,000	P & L a/c on 1-4-2009	80,000
Cash at bank	6,100	share capital 20,000 equity shares @ 10/-	2, 00,000
Rent	3,600	Sundry creditors	20,500
Wages	10,000	Bills payable	10,000
Bad debts	500	Sales	2,70,000
Plant and machinery	68,000		
Opening stock	21,000		
Salaries	6,000		
Land and buildings	1, 80,000		
Furniture	18,000		

22. Prepare funds flow from the given information below:

Name Of The Account	Dr. RS.	Cr. RS.
Furniture	20000	-
Machinery	100000	-
Buildings	200000	-
Capital	-	300000
Cash	10000	-
Bills payable	-	60000
Trade debtors	160000	-
Trade creditors	-	130000

23. Prepare a cash flow statement for the following cash transactions.

- a. Anil brought in cash towards Capital Rs.75000
- b. Deposited into bank Rs.60000
- c. Purchased goods Rs.9000
- d. Sale of goods worth Rs.21000
- e. Paid to Ganesh (a supplier) Rs.15000
- f. Received from Hari (a customer) Rs.18000

24. Prepare ratios from the following information:

Opening balance:	Rs.
Capital	150000
Machinery	50000
Cash	75000
Land	50000
Plant	50000
Bank	25000

Transactions:

Purchased goods from Sita (cash)	4500
Sold goods for cash	11500
Sold goods to Geeta	17000
Paid salaries	3000
Selling expenses	1500
Distribution expenses	500

25. Pass Following Transactions and Display Financial Statements

1. Ashok starts business with Rs. 100000/-
2. Purchase machinery for Rs. 50000/ and furniture for Rs. 10000
3. Paid amount for rent Rs. 1000/
4. Deposits Rs,. 10000/- in Bank
5. Purchase of goods for Rs. 20000/ from Mr. Ram on credit.
6. Sold goods to Mr. Rakesh for Rs. 10000/
7. Rs. 5000/ withdraws from bank for personal use.
8. Withdraws Rs. 1000/ for office use.
9. Received cash from Mr. Rakesh.
10. Paid to Mr. Ram.

26. Pass Following Transactions and Display Profit and Loss Account.

1. Mr. Ram starts business with Rs. 200000/- and deposited into bank Rs. 40,000.
2. Paid for office building Rs. 50000/ and furniture for Rs. 10000/-
3. Purchase raw material of Rs. 10000 on credit from Mr. Avinash.
4. Paid Wages Rs. 2000
5. Paid salary Rs. 10000
6. Return money to Mr. Avinash in settlement of Rs. 9500.
7. Sold goods to Mr. Shekar Rs. 15000/-
8. Received interest on bank amount Rs. 500.
9. Received from Mr. Shekar after discount of Rs. 500.
10. Sold old news paper Rs. 450/-
11. Sold old furniture Rs. 4000/-

Q.27 Record the following transactions in the books of "M/s Albert & Brothers" and display Trial Balance, Profit and Loss Account and Balance Sheet.

1. Albert starts business with Rs. 50,000.
2. He opens a SBI saving bank account and deposits Rs. 20,000.
3. Bought furniture for Rs. 5,000, machinery for Rs. 10,000.
4. Purchased goods for Rs. 14,000.
5. Sold goods for Rs. 8,000.
6. Purchased goods from Malhotra & Company for Rs. 11,000.
7. Paid telephone rent for the year by Cheque Rs. 500

8. Bought one typewriter for Rs. 2,100 from 'Universal Typewriter Co'. on credit.

Q.28 Record the following transactions in and display Profit and Loss Account and Balance Sheet.

COMPANY NAME: - MAGNET BOOK STORE PRIVATE LIMITED ADDRESS: DHARAVI, MUMBAI - 400017

LEDGER NAME	UNDER GROUP	OPENING BALANCE	
SHARE CAPITAL	CAPITAL ACCOUNT	15,00,000	
LOAN FROM SBI BANK	SECURED LOAN	5,00,000	
PROVISION FOR DEPRECIATION	PROVISION	450000	
O/S RENT	CURRENT LIABILITY	6000	
O/S SALARIES	CURRENT LIABILITY	8000	
DEPOSIT FOR PREMISES	DEPOSITS (ASSETS)	2,00,000	
INVESTMENT IN SHARES	INVESTMENT	60,000	
FURNITURE	FIXED ASSETS	28,000	
COMPUTERS	FIXED ASSETS	50,000	
CASH IN BANK	BANK ACCOUNT	1,00,000	
CASH IN HAND	CASH IN HAND	75,000	
CLOSING STOCK	STOCK IN HAND	50,000	
ABHYUDAYA BANK	BANK ACCOUNT	1,25,000	
MACHINERY	FIXED ASSET	2,00,000	
BUILDING	FIXED ASSET	6,00,000	
Discount Allowed A/c	Indirect expenses	1800	Cash
Commission Allowed A/c	Indirect expenses	300	cash
Salary A/c	Indirect expenses	500	Cheque
Travelling Expenses	Indirect expenses	900	Cheque
Rent paid A/c	Indirect expenses	450	Cash
Brokerage Account	Indirect expenses	1250	Cash
Printing & Stationery	Indirect expenses	600	Cheque
Electricity charges	Indirect expenses	1200	Cash
Miscellaneous expenses	Indirect expenses	820	cash
Advertisement	Indirect expenses	960	Cheque
Office expenses	Indirect expenses	1020	Cheque
Interest on loan	Indirect expenses	350	Cheque
Delivery van expenses	Indirect expenses	125	Cheque
Conveyance Expenses	Indirect expenses	650	Cheque
Refreshment Expenses	Indirect expenses	250	Cheque
Administrative expenses	Indirect expenses	450	Cheque
Discount received A/c	Indirect income	900	Cheque
Commission received A/c	Indirect income	4500	Cheque

To maintain Stock Statement

Group	Categories	Stock item	Purchase price	Quantity	Godown
SCHOOL	ENGLISH	BALBARATHI	80	1500	DHARAVI
		YUVAK BARATHI	75	1000	
	MATHS	ALGEBRA	65	1300	
		GEOMETRY	55	1200	
COLLEGE	ACCOUNTS	BASIC	85	1100	SION
		FINAL	90	1000	
	MATHS	ARITHMATIC	45	1400	
		STATISTICS	35	1350	

Goods are purchased from these parties. (VAT @14.5%)

Date	Bill no.	Party name	Stock item	Godown	Qty
1 ST MAY	OM 001	BABAJI STORE	BALBARATHI	DHARAVI	450
1 ST MAY	OM 002	AMUL STORE	YUVAKBARATHI	DHARAVI	500
1 ST MAY	OM 003	ANAND STORE	ALGEBRA	DHARAVI	600
1 ST MAY	OM 004	ABINAYA STORE	GEOMETRY	DHARAVI	310
1 ST MAY	OM 005	AZIM'S STORE	BASIC	SION	900
1 ST MAY	OM 006	SARASWATI STORE	FINAL	SION	150
1 ST MAY	OM 006	ANAND STORE	ARITHMATIC	SION	450
1 ST MAY	OM 007	ABINAYA STORE	STATISTICS	SION	750

Goods are sold to these parties. (VAT @14.5%)

Date	Bill no.	Party name	Stock item	Godown	Qty	Selling price
1 ST JUNE	OMP001	Reliance store	BALBARATHI	DHARAVI	150	100
1 ST JUNE	OMP002	TATA store	YUVAKBARATHI	SION	400	110
1 ST JUNE	OMP003	Omtex store	ALGEBRA	SION	530	120
1 ST JUNE	OMP004	Vishwas store	GEOMETRY	DHARAVI	310	130
1 ST JUNE	OMP005	Philips store	BASIC	DHARAVI	1000	145
1 ST JUNE	OMP006	Omtex store	FINAL	SION	200	125
1 ST JUNE	OMP006	IPL store	ARITHMATIC	SION	360	165
1 ST JUNE	OMP007	Reliance	STATISTICS	DHARAVI	900	175

Purchase and Sales Return

On 1st June, goods purchased from Babaji store has been returned. Details are

Stock item	Godown	Quantity	Bill no.
BALBARATHI	Dharavi	2	OM 001

On 1st August, goods purchased from Saraswati store has been returned. Details are

Bill no.	Godown	Quantity	Stock item
Om 006	Sion	1	FINAL

On 1st October, goods purchased from Anand store has been returned. Details are

Bill no.	Godown	Quantity	Stock item
Om 003	Sion	5	ARITHMATIC

On 1st July, goods sold to Philips Store were returned. Details are

Bill no.	Godown	Quantity	Stock item
Om p005	Dharavi	5	BASIC

On 31st December, goods sold to Reliance company were returned. Details are

Bill no.	Godown	Quantity	Stock item
Om p007	Sion	2	BALBARATHI

On 31st January, 2011 goods sold to IPL store were returned. Details are

Bill no.	Godown	Quantity	Stock item
Om p006	Dharavi	2	ARITHMATIC

Contra Entries

1. On 1st September, Withdraw Rs. 50000 from Abhyudaya bank for business purpose.
2. On 30th November, With drawn Rs. 25000 from Cash in bank for business purpose.
3. On 28th February, Deposit Rs. 25000 in Abhyudaya bank.

Charging Depreciation

On 31 - 3 - 2011 Charge depreciation @ 10% on furniture, 20% on computer, 12.5% on Machinery, 7.5% on Building

29. Create 3 stock items named milk, roti and mobile. Opening balances of these 3 stock items would be milk - 10 liters, roti - 20 pieces and mobile - 5 numbers.

30. Create 5 sundry debtor outside your state and 5 sundry debtor inside your state. Similarly, create 5 sundry creditor outside your state and 5 sundry creditor inside your state.

31 Pass following Entries and display Day Book:-

1. Business started with cash 8,000 and plant & machinery 3,000.
- 2 - Stock purchase for sale (cash purchase)= 3,000, credit purchase = 5,000
- 3 - Wages paid 120,000(including 20,000 of future year).
- 4 - Salary paid 200,000 but due 110,000.
- 5 - Sale made for cash 600,000 & on credit 800,000.
- 6 - Depreciation 10 percent on plant & machinery.
- 7 - Goods costing 20,000 destroyed by fire.
- 8 - Payment made to creditor of 200,000 at 10 percent discount.

32 Company A was incorporated on January 1, 2010 with an initial capital of 5,000 shares of common stock having Rs.20 par value. During the first month of its operations, the

company engaged in following transactions:

Date	Transaction
Jan 2	An amount of Rs.36,000 was paid as advance rent for three months.
Jan 3	Paid Rs.60,000 cash on the purchase of equipment costing Rs.80,000. The remaining amount was recognized as a one year note payable with interest rate of 9%.
Jan 4	Purchased office supplies costing Rs.17,600 on account.
Jan 13	Provided services to its customers and received Rs.28,500 in cash.
Jan 13	Paid the accounts payable on the office supplies purchased on January 4.
Jan 14	Paid wages to its employees for first two weeks of January, aggregating Rs.19,100.
Jan 18	Provided Rs.54,100 worth of services to its customers. They paid Rs.32,900 and promised to pay the remaining amount.
Jan 23	Received Rs.15,300 from customers for the services provided on January 18.
Jan 25	Received Rs.4,000 as an advance payment from customers.
Jan 26	Purchased office supplies costing Rs.5,200 on account.
Jan 28	Paid wages to its employees for the third and fourth week of January: Rs.19,100.
Jan 31	Paid Rs.5,000 as dividends.
Jan 31	Received electricity bill of Rs.2,470.
Jan 31	Received telephone bill of Rs.1,494.

33. Mr. Nirmal has the following transactions in the month of April.

Write Journal Entries for the transactions.

10 th April	:	Commenced business with a capital of 1,00,000
11 th April	:	Purchased goods from Veeru for 20,000
13 th April	:	Purchased Goods for Cash 15,000
14 th April	:	Purchased Goods from Abhiram for cash 9,000
16 th April	:	Bought Goods from Shyam on credit 12,000
17 th April	:	Sold goods worth 15,000 to Tarun
19 th April	:	Sold goods for cash 20,000
20 th April	:	Sold goods to Utsav for cash 6,000
21 st April	:	Sold goods to Pranav on credit 17,000
22 nd April	:	Returned goods to Veeru 3,000
23 rd April	:	Goods returned from Tarun 1,000
25 th April	:	Goods taken by the proprietor for personal use 1,000

34 Journalise the following transactions in the books of Rama & Sons

3 rd May	:	Cash deposited into bank 60,000
4 th May	:	Loan given to Bhuvan 20,000
4 th May	:	Paid cash to Veeru 20,000

5 th May	:	Paid to Veeru by cheque 15,000
5 th May	:	Cash received from Tarun 12,000
5 th May	:	Took loan from Anush 15,000
6 th May	:	Cheque received from Pranav 15,000
6 th May	:	Paid to Intel Computers by cheque 17,000
6 th May	:	Withdrew from bank 5,000
7 th May	:	Withdrew from bank for office use 8,000
7 th May	:	Cash received from Bhuvan on loan account 10,000
8 th May	:	Withdrew from bank for personal use 1,000

35 Write journal entries in the books of Chikky&Bros and post them into relevant ledger accounts.

10 th June	:	Paid wages 12,000
11 th June	:	paid rent by cheque 10,000
13 th June	:	Paid salary to Mr. Charan 12,000
14 th June	:	Purchased stationery from Kagaz& Co. and paid by cheque 5,000
15 th June	:	Received interest 14,000
17 th June	:	Received commission by cheque 6,000
18 th June	:	Rent received from Mr. Mody 8,000
19 th June	:	Interest received from Mr.Bijju by cheque 10,000
20 th June	:	Carriage paid on purchase of goods 3,000
22 nd June	:	Carriage paid on sale of goods 2,000.

36. Assuming on your own figures prepare cash book for the following cash transactions.

- Ramu brought in cash towards capital Rs. 25,000.
- Deposited into the bank Rs. 20,000.
- Purchased goods Rs. 3,000.
- Sale of goods worth Rs. 11,000.
- Paid to Hrithick (Supplier) Rs.7,000.
- Received from (Mohan), Customer Rs. 6,000.

37. Prepare cash book with bank column for the following bank transactions in Andhra Bank and ascertain bank balances.

- Balance at bank Rs. 2,00,000.
- Paid to Ramesh Rs. 10,000 by cheque.
- Paid to Mahesh Rs. 25,000 by cheque.
- Received a cheque from Rani Rs. 38,000.
- Received from Sarita Rs. 50,000 by cheque.

38. Prepare a Trial Balance with the information given below:

Furniture	10,000
Machinery	50,000.
Building	1,00,000.
Capital	1,50,000.
Cash	5,000.
Trade Debtors	80,000
Bills Payable	30,000.
Trade Creditors	65,000.

39. Prepare Trading, Profit and Loss Account and a Balance Sheet from the following:

Opening Balance	Amount (Rs)
Capital	4,00,000
Furniture	1,00,000
Cash	30,000.
Building	2.00,000.
Machinery	70,000.
Transactions:	
Purchased Goods	20,000.
Sales	40,000.
Paid Rent	1,000.
Paid Salaries	3,000.
Received Interest	2,000.

40. Enter the following transactions by creating relevant accounts and groups.

Transactions:
Purchased goods from Ram Rs. 10,000.
Purchased goods from Rohan Rs, 5,000
Purchased goods from Rajni Rs.20,000.
Sold goods to Lucky Rs 25,000.
Sold goods to RaveenaRs. 30,000.
Sold goods to Kamala Rs. 20,000.

41. Compute net profit from the following data?

Capital Introduced	4,00,000.
Cash Purchases	50,000
Cash Sales	1,00,000
Rent Paid	5,000
Salaries Paid	10,000
Interest Received	2,000.
Legal Expenses Paid	1,000.
General Expenses	400.

42. Mr. Zaid started business with Cash Rs. 3,00,000.

- Purchased 20 color TVs @ Rs. 10,000 each for cash.
 - Paid carriage on purchases Rs. 2,000.
 - Sold color TVs @ Rs. 12,000 each for cash.
 - Sold color TVs @ Rs,12,000 each to Sham.
 - Paid salaries Rs. 2,000 and Rent Rs. 1,000.
- Prepare Profit and Loss Account and Balance Sheet.

43. Prepare the following transactions and generate a purchase register.

- Purchased goods from Gupta Rs. 10,000.
- Purchased goods from Vijay Rs. 5,000.
- Purchased goods from GopiRs. 2,000.
- Purchased goods from Ram Rs. 5,000.
- Purchased goods from Ahmed Rs. 20,000.
- Purchased furniture on credit from X Ltd., Company Rs. 12,000.

44. Edit the following transactions.

- a). Bought goods worth Rs. 5,550, alter it to 7,000.
- b). Goods sold to Asif Rs. 5,000, alter it to 2,300.
- c). Cash received from Raheem Rs. 1,000, alter it to Krishna.
- d). Paid cash to Uday Rs. 1,000, alter it to bank.

45. Create a company with full details, enter the following transactions.

- a). Priyanka started business, Rs. 3,00,000.
- b). Opened an account with bank, Rs. 20,000. c). Bought furniture by cheque, Rs. 3,000.
- d). Paid office rent Rs. 500. e). Cash purchases Rs. 15,000. f). Cash sales Rs. 5,000.

46. Prepare a bank book with the following transactions. a). Balance at SBI Rs. 1,50,000.

- b). Paid to Mr. Owais Rs. 50,000 by cheque. c). Paid Geeta Rs. 25,000 by cheque.
- d). Cash withdrawn by cheque Rs. 20,000 for office use. e). Deposited a cheque for Rs. 5,900 and cash Rs. 500.

47. Show the trial balance for the information given below.

Name of the Account	Debit	Credit
Furniture	10,000	-
Machinery	50,000	-
Building	1,00,000	-
Capital	--	1,50,000
Bills Payable	--	15,000
Cash	5,000	--

48. Enter the following transactions and create a Balance Sheet.

Particular	Debit	Credit
Cash in Hand	1,00,000	--
Bills Receivable	10,000	--
Sundry Debtors	40,000	--
Motor Car	20,000	--
Sundry Creditors	--	50,000
Bills Payable	--	5,00,000
Capital	--	1,00,000

49. Compute Net Profit from the following data:

Capital Introduced	4,00,000.
Cash purchases	50,000.
Cash Sales	1,00,000
Rent paid	5,000
Received commission	2,000
Paid Legal expenses	1,000
Paid for printing	500
Paid general expenses	400.

50. Prepare a Balance Sheet for the following transactions in the Books of Mr. Arif Khan.

a). Commenced Business with Cash Rs. 50,000.

b). Deposited in to the bank Rs. 40,000.

c). Purchased Machinery, payment made by cheque Rs.30,000. d).

Purchased goods for cash Rs. 5,000.

e). Sold goods for cash Rs. 8,000.

f). Paid salaries Rs. 2,000.

Kakatiya University

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT,
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) V Semester
-- Practical Question Bank --
MANAGEMENT INFORMATION SYSTEM
DSC503A**

Record: 10
Practical: 10
Viva: 15
Total: 35

MS ACCESS:

1. Create a Student Table in MS-Access with the following features:
 - a. Roll Number
 - b. Student Name
 - c. Class
 - d. Marks in Subject 1,
Subject 2, Subject 3
 - e. Total
 - f. Average
 - g. Result

2. Create a Personal Information table in MS-Access with the following fields:
 - a. First Name
 - b. Middle Name
 - c. Last Name
 - d. Nationality
 - e. Gender
 - f. Temporary Address
 - g. Permanent AddressGenerate a Form and Report.

3. Create an Inventory table in MS-Access with fields:
 - a. Product ID
 - b. Product Name
 - c. Product Quantity
 - d. Product Price

4. Create a database 'College' and table "Student". The following are the details of the table:

Number	Fname	Lname	Address	Home phone	Joining date
101	Ram	Prasad	11-1-963/A, Laxmipuram, Warangal	0870- 23343256	02/06/2016
102	Shyam	Singh	12-1-254/B, Nakkalagutta, Hanamkonda	0870- 23345679	05/06/2016
103	Ankur	Agrawal	11-2-667/A, Subedari, Hanamkonda	0870- 23358796	03/06/2016
104	Ramesh	Sharma	10-2-340, Desaipet, Warangal.	0870- 23389745	04/06/2016
105	Harish	Shekhawat	15-4-633/A, Wadepally, Kazipet	0870- 23356486	02/06/2016

5. Create a database 'Student'. Also create table 'studtable' and execute the following queries

SRollno	Sname	English	SL	FA-I	BE	BOM	IT
101	Rajendra	75	85	90	85	86	90
102	Arvind	88	75	95	80	82	85
103	Krishna	89	77	82	78	82	86
104	Harish	75	72	70	65	60	77
105	Rajesh	86	85	81	80	89	90

- a. Sort the data by Sname.
 - b. Calculate Total Marks of Individual Students.
 - c. Calculate Percentage Marks of Individual Student.
6. Create a database 'Student1'. Also create table 'stdtable' and execute the following queries

SRollno	Sname	English	SL	FA-I	BE	BOM	IT
101	Rajendra	75	85	90	85	86	90
102	Arvind	88	75	95	80	82	85
103	Krishna	50	52	58	50	53	54
104	Harish	52	55	51	56	57	59
105	Rajesh	86	85	81	80	89	90

- a) Display all Students who got ≥ 80 Marks in Any Subject.
 - b) Display all Students who got $\geq 80\%$ Marks in Total.
 - c) Display all Students who got $\leq 60\%$ Marks in Total.
7. Create a database 'Student2'. Also create table 'stdmarks' and execute the following queries

SRollno	Sname	English	SL	FA	BE	BOM	FIT
101	Rajendra	22	20	23	20	23	20
102	Arvind	20	21	20	23	20	20
103	Krishna	50	52	58	50	53	54
104	Harish	52	55	51	56	57	59
105	Rajesh	86	85	81	80	89	90

- a) Display All the students who got < 25 in individual subject.
 - b) Display all the students who are Failed in individual Subject.
 - c) Increase marks by adding 5 marks whose marks are < 25 .
8. Create a database 'Student3'. Also create table 'stdmarks1' and execute the following queries

SRollno	Sname	English	SL	FA	BE	BOM	FIT
101	Rajendra	90	95	92	90	88	90

102	Arvind	48	52	48	50	53	54
103	Krishna	85	88	89	85	95	90
104	Harish	12	10	15	12	10	15
105	Rajesh	60	66	75	77	65	79

a) Update table by adding Grade as per the following:-

- i. Total %age $\geq 90\%$ Grade "E"
- ii. Total %age $\geq 75\%$ Grade "A"
- iii. Total %age $\geq 60\%$ Grade "B"
- iv. Total %age $\geq 50\%$ Grade "C"
- v. Total %age $\geq 36\%$ Grade "D"
- vi. Total %age $< 36\%$ Grade "F"

9. Create 'Employee' database and table 'Emp'

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

- a) Calculate DA as 40% of Basic Salary.
- b) Calculate Hra as 15% of Basic Salary.
- c) Calculate PF as 12.67% of Basic Salary
- d) Calculate Gross Pay = Basic Salary + DA + HRA
- e) Calculate Net Pay = Gross Pay - PF.

10. Create 'Employee1' database and table 'Emp1'

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Phani	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

- a) List all the Employees Who are working in Dept no.10
- b) List all the Employees who get less than 20000 Salary.

11. Create 'Employee2' database and table 'Emp2'

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

- a) Update Salary by adding the increments as per the following:-
 - a. 10% Increment in Basic Salary who get < 20000
 - b. 5% Increment in Basic Salary who get > 20000 .

12. Create 'Employee3' database and table 'Emp3'

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

Generate the query to find out the following:-

- Total Salary paid by the Company to Employees
- Maximum Salary paid by the Company to Employees
- Minimum Salary paid by the Company to Employees

13. In the following table find out the Followings:

- All the Department Nos and Employees Names.
- All the Employees who joined in year 2001.

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

14. Create 'Course' database and 'Coursedt1' table having following records:-

SRollno	Sname	Course	Section	Medium	College	Total Fees
101	Rajendra	B.Com	General	English	ABC	5500
102	Arvind	B.Com	General	English	PQR	15000
103	Krishna	B.Com	General	Telugu	ABC	5500
104	Harish	B.Com	General	Telugu	PQR	7500
105	Rajesh	B.Com	Computers	English	ABC	15000
106	Harish	B.Com	Computers	English	PQR	25000

- Prepare the report to display lowest course fees with college name.
- Prepare the Report to display all students who are pursuing B.Com(Computers).

15. In the following table generate the queries for the followings:-

- Display the Course and College having Lowest Course Fees.
- Display all the courses pursuing by the PQR College.

SRollno	Sname	Course	Section	Medium	College	Total Fees
101	Rajendra	B.Com	General	English	ABC	5500
102	Arvind	B.Com	General	English	PQR	15000
103	Krishna	B.Com	General	Telugu	ABC	5500
104	Harish	B.Com	General	Telugu	PQR	7500
105	Rajesh	B.Com	Computers	English	ABC	15000
106	Harish	B.Com	Computers	English	PQR	25000

16. Create a Library Database of your college having following fields and enter atleast 30 records in it:-

Field Name	Description
BookCode	Primary Key

BookTitle	Subject Name
Publisher	Book Publisher Name
No.of.Copies	Quantity in one Invoice
No.ofPages	Total Pages in book
Edition	Book Printing Edition

17. From the College Library database find out the following:-

- Total no. of copies of books subject wise.
- A report displays all books group by Publisher.
- A report displays all books group by BookTitle.
- A report displays all books group by BookEdition

18. Create the 'Order' database and a table "Orderdtl" having following records:-

Order No	Order Date	Order Item	Order Qty	Order Price	Client Code	Delivery Type	Order Status
1011	12/02/2015	LED Monitors	100	7500	1025	Road	Delivered
1012	25/02/2015	Printers	75	8500	1025	Road	Delivered
1013	25/03/2015	CPU	100	15000	1045	Road	Delivered
1014	31/03/2015	LED Monitors	75	6500	1045	Road	Not Delivered
1015	31/03/2015	CPU	75	18000	1025	Road	Not Delivered

Generate the following reports from the above table:-

- Display all the Order No. which have not been yet Delivered.
- Display all the Orders of LED Monitor and CPU.
- Display all the Orders of LED Monitor and CPU which are not have been delivered yet.

19. Create a 'Sales' Database and a table 'Salesdtl' having following fields and data:-

SalesNo.	Salesman Code	Salesman Name	Branch	Sale Amount
1011	101	Arvind	Jaipur	75000
1012	102	Ashok	Jaipur	80000
1013	103	Harish	Hyderabad	75000
1014	104	Manish	Hyderabad	65000
1015	105	Krish	Secunderabad	78000

20. Generate the queries to find out the followings from the above 'Sales' Table:

- Total sale of all the Branches.
- Total sale group by Branches.
- Maximum sale of individual branch.
- Maximum sale in all branches.

21. Create an 'Stock' database having an 'Inventory' Table as per the

followings:-

ProductCode	Product Name	Purchase Quantity	Purchase Price (Per Unit)
1011	CPU	200	15000
1012	Monitor	100	7500
1013	Printer	75	5500
1014	UPS	200	3500
1015	Speakers	200	250

22. Generate the following queries from the above 'Inventory' Table:-

- Item wise total purchase price.
- Display new purchase price after adding 15% increase in purchase price.
- Display new Purchase quantity after deducting 5% from the quantity

23. Create a 'Stock' database having 'Inventory' table:-

Item Code	Name of the Item	Opening Stock (In Qty)	Purchase (In Qty)	Sales (In Qty)
1011	CPU	200	150	300
1012	Monitor	100	100	150
1013	Printer	75	150	125
1014	UPS	200	300	400
1015	Speakers	200	250	350

Generate the following queries from the above table:-

- Calculate the closing stock of each item (Closing Stock = Opening Stock + Purchase - Sales)
- Display all the Items which has closing stock < 100
- If closing stock is less than 100 then set the remark as "Re-Order Level" otherwise "Enough Stock".

24. Create a database 'Student2'. Also create table 'stdmarks' and execute the following queries

SRollno	Sname	English	SL	FA	BE	BOM	FIT
101	Rajendra	22	20	23	20	23	20
102	Arvind	20	21	20	23	20	20
103	Krishna	50	52	58	50	53	54
104	Harish	52	55	51	56	57	59
105	Rajesh	86	85	81	80	89	90

- Display All the students who got <25 in individual subject.
- Display all the students who are Failed in individual Subject.
- Increase marks by adding 5 marks whose marks are <25.

25. Create a Personal Information table in MS-Access with the following fields:

- First Name
- Middle Name
- Last Name
- Nationality

- e. Gender
 - f. Temporary Address
 - g. Permanent Address. Generate a Form and Report.
26. Create a table (student) in access with name, fathename, gender, DOB, phno, address). Insert 10 records.
27. Create a FEE table in access with (name,category,course/group,year, fees,)insert 10 records . add new column concession. Write a query to calculate concession. calculate concession=fee*20/100; when category is NCC/NSS/GIRL
28. Create a table (person) in access with name,phno,email-id and address . insert 10 records.
Create a query to display email id,phno and address when user gives name.
29. Create a SALES table in access with (ID,productname,quantity,salesrate,commission,tax)insert 10 records.add new column affiliate earnings. Write a query to calculate affiliate earnings. calculate affiliate earnings=(quantity*salesrate)+commission-tax.
30. 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)-558-1227	11-11-04

31. Create a employee database and table 'emp'.

Emp.No	Ename	Job	DOJ	Basic	Deptno	Sex	Due prom
101	Ajya	Clerk	17-12-01	6000	20	Male	
102	Arvind	Salesmen	20-02-02	5000	30	Male	
103	Rahul	Salesmen	22-03-01	5500	20	Male	
104	Rehman	Manager	01-04-01	12000	40	Male	
105	Sahil	Manager	20-09-02	11500	10	Male	

32. Create a database 'Student'. Also Create table 'stdtable' & execute the following.

SRoll no	Sname	Class	State	DOB	Marks	Grade
101	Raj	B.Com-I	AP	21-09-82	80	A
105	Ram	B.Com-II	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
-----	--------	---------	----	----------	----	---

- a) Sort the data by SRoll no.
- b) Display SRoll no., Sname, State and Marks where marks >80.
- c) Display SRoll no., Sname, State and Marks where Grade =A.

33. Create 'employee database and table 'emp' create a Report.

Emp.No	Ename	Job	DOJ	Basic	Deptno	Sex	Due prom
101	Ajya	Clerk	17-12-01	6000	20	Male	
102	Arvind	Salesmen	20-02-02	5000	30	Male	
103	Rahul	Salesmen	22-03-01	5500	20	Male	
104	Rehman	Manager	01-04-01	12000	40	Male	
105	Sahil	Manager	20-09-02	11500	10	Male	

Kakaktiya University

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

Author Lname	Author Fname	Book title	Book type	Year of publication
Gupta	Sharma	Management Accounting	Accounting	2002
Nain	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 Author Fname, Book type year of publication where year above 2000.
35. Create Business table by using Design Wizard with year own data (atleast 6 fields and 10 records)
36. Create Personal table by using Design Wizard with your own data (atleast 6 fields and 10 records)
37. Create 'Student database table 'and also create a Report.

SRoll no	Sname	Class	State	DOB	Marks	Grade
101	Raj	B.Com-I	AP	21-09-82	80	A
105	Ram	B.Com-II	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

38. Create 'Student database table 'and also create a Report.

SRoll no	Sname	Class	State	DOB	Marks	Grade
1	Rajesh	B.Com-I	AP	21-09-84	81	A
2	Ramesh	B.Com-II	MP	31-08-85	72	B
3	Rakesh	B.Com-III	UP	30-06-89	90	A
4	Suresh	B.Com-II	AP	25-07-82	36	B
5	Vignesh	B.Com-I	MP	02-02-83	45	C

39. Create a employee database and Create a Report.

Emp.No	Ename	Job	DOJ	Basic	Deptno	Sex
101	Ajya	Clerk	17-12-01	6000	20	Male
102	Arvind	Salesmen	20-02-02	5000	30	Male
103	Rahul	Salesmen	22-03-01	5500	20	Male
104	Rehman	Manager	01-04-01	12000	40	Male
105	Sahil	Manager	20-09-02	11500	10	Male

40. Create table textbook with the following fields. Insert 10 records. Book title, author name, publication name, quantity, price.

Create query to display the books of information technology,

Create query to display the books of Himalaya publications.

41. Create a table student with the following fields(rno, name, fa marks, be marks, it marks, total and average). Insert 10 records, calculate total = fa+be+it. Average = total/ no of subjects.

Create a query to display all information of student who secured >75 marks in IT subject.

Create a query to display name, total and average who's average is > 80.

42. Create a table employ with (idno, name, job, age, salary). Insert 10 records.

Create a query to display the information of all managers.

Create a query to display the names of employs who's salary is >15000.

43. Create a report for the student table with rno, name, fa, be, it total and average.

44. From the College Library database find out the following:-

- a. Total no. of copies of books subject wise.
- b. A report displays all books group by Publisher.
- c. A report displays all books group by BookTitle.
- d. A report displays all books group by BookEdition

45. Create a 'Stock' database having 'Inventory' table:-

Item Code	Name of the Item	Opening Stock (In Qty)	Purchase (In Qty)	Sales (In Qty)
1011	CPU	200	150	300
1012	Monitor	100	100	150
1013	Printer	75	150	125
1014	UPS	200	300	400
1015	Speakers	200	250	350

Generate the following queries from the above table:-

- a) Calculate the closing stock of each item (Closing Stock = Opening Stock + Purchase – Sales)
- b) Display all the Items which has closing stock < 100
- c) If closing stock is less than 100 then set the remark as "Re-Order Level" otherwise "Enough Stock".

46. Create a FEE table in access with

(name,category,course/group,year,fees,)insert 10 records . add new column concession. Write a query to calculate concession. calculate concession=fee*20/100; when category is NCC/NSS/GIRL

47. Create a database 'Student'. Also Create table 'stdtable' & execute the following.

SRoll no	Sname	Class	State	DOB	Marks	Grade
101	Raj	B.Com-I	AP	21-09-82	80	A
105	Ram	B.Com-II	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 SRoll no.
- Display SRoll no., Sname, State and Marks where marks >80.
- Display SRoll no., Sname, State and Marks where Grade =A.

48. In the following table find out the Followings:

- All the Department Nos and Employees Names.
- All the Employees who joined in year 2001.

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

49. Create a Library Database of your college having following fields and enter atleast 30 records in it:-

Field Name	Description
BookCode	Primary Key
BookTitle	Subject Name
Publisher	Book Publisher Name
No.of.Copies	Quantity in one Invoice
No.ofPages	Total Pages in book
Edition	Book Printing Edition

50. From the College Library database find out the following:-

- Total no. of copies of books subject wise.
- A report displays all books group by Publisher.
- A report displays all books group by BookTitle.
- A report displays all books group by Book Edition

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) V Semester
-- Practical Question Bank --
E-COMMERCE
DSC503B**

Record: 10
Practical: 10
Viva: 15
Total: 35

1. Visit Amazon website and write the procedure to purchase a item.
2. Visit irctc website and write a steps new user registration
3. Visit irctc website and write the steps to book a train ticket.
4. Visit www.itcportal.com and makes a note of important contents.
5. Visit www.filpkart.com and make a note of important contents.
6. Make a study of Elbee services on www.elbeenet.com.
7. Enter the amazon's site amazon.com and get a list of current books on e-commerce.
8. Locate any three websites in India that sell airline tickets through e-commerce.
9. Locate any three websites in India that sell personal computers through e-commerce.
10. Make a study of HDFC banking services on the Internet and present a brief note on it.
11. Make a study of SBI banking services on the Internet and present a brief note on it.
12. Make a study of LIC insurance services on the Internet and present a brief note on it.
13. Prepare a diagram showing various e-commerce models with brief description of each.
14. Present the working of B2C model with the help of a diagram.

KP

15. Visit www.chennaibazaar.com and list out its partners in various segments.
16. Visit www.sulekha.com and list out its services.
17. Visit olx.com and list out its services.
18. Visit www.icai.org and make a note on the method of online test of CPT.
19. Visit www.priceline.com site and write a report on the way they have implemented their mode.

20. List out various domain names used in URLs with expansion of each of them i.e. com, edu, gov, mil, net, org.
21. Prepare a table showing special characters used in URLs along with their symbol.
22. Visit makemytrip.com website and make a note of important contents.
23. Visit spicejet site (www.spicejet.com) and make a note of important contents.
24. Visit nseindia website and find the prices of any two stocks.
25. Log into www.time.com and trace all the paths of the site by clicking the hyperlinks and develop a tree diagram of all of the hyperlinks allowed from the site.
26. Try to log on to indigo airline's site. Make a note of what will happen if you type www.goindigo.in
27. Enter www.toyota.com and configure a car of your choice.
28. Enter www.ford.com and configure a car of your choice.
29. Prepare a chart showing the criteria and its need for success of digital payment system.
30. Enter www.amazon.com and identify all customer services provided for free.
31. Prepare a table showing brief description of the following common e-business functions: (a) login (b)register (c)search (d)select (e) browse.
32. Prepare a chart showing at least five means of e-advertising.
33. Visit the site of Times of India and identify the difference between the internet version and the actual newspaper.
34. Browse www.rediff.com and list out the facilities it provides.
35. Specify the protocol and purpose of Client Server application and File Transfer.
36. Specify the protocol and purpose of World Wide Web & E-Mail
37. Specify the protocol and purpose of File transfer.
38. Specify the protocol and purpose of Chat.
39. Visit www.naukri.com and write a brief note on its functions.
40. Visit www.indianrail.in and write a brief note on its customer-service functions.
41. Get information from www.bluetooth.com and write a note on what it is.
42. Visit Harvard university website and comment on its animation graphics.
43. Visit and Compare the website of Pepsi cola and Coca cola.
44. Present the legal provisions on transactions of e-commerce as per IT Act, 2000.
45. Visit the website of Telangana University and list out the courses offered by the

university.

46. Visit the website of bigbazar and write a note on its site building.
47. Create a Web page with an image, when the mouse is doubled clicked new image should replace the existing.
48. Create a Web page and apply mouse effects to change text color, size, family etc on the text.
49. Create a Web page which displays a line of text, when you click on the text a new line of text should overwrite the existing text.
50. Create a Web site to display products information by using HTML and CSS

* * * * *

Kakaktiya University

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT,
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) V Semester
-- Practical Question Bank --
MOBILE APPLICATIONS
DSC503C**

Record: 10
Practical: 10
Viva: 15
Total: 35

1. Write a program to place Name, Age and mobile number linearly (vertical) on the display screen using linear layout.
2. Write a program to display 10 students basic information in a table form using Table Layout.
3. Write a program to accept and display personal information of the student.
4. Write a program to create a first display screen of any search engine using auto Complete Text View.
5. Write a program to create a toggle button to display on/off functionality on the display screen.
6. Write a program to create a login form for a social networking site.
7. Write a program to show five checkboxes and toast selected checkboxes.
8. Write a program to show functionality of radio group and radio buttons to toast selected gender.
9. Write a program to display and image using image view and a button named as "Change Image". Once you click on button another image should get displayed.
10. Write a program to display 15 buttons using grid view.
11. Write a program to display three checkboxes and one button named "Order" as shown below. Once you click on button it should toast different selected checkboxes along with items individual and total price.
12. Write a program to display following output. Use Time Picker with Spinner mode.
13. Write a program to create a Hello World activity using all lifecycles methods to display messages using Log.d .
14. Write a program to create button "Start Dialer". When u click on this button it should open the phone dialer.
15. Create sample application with login module.(check username and password)

on successful login, Change text view “login successful” and on login fail, alert user using Toast “Login Fail”.

16. Write a program to create the login form with necessary validations like length of username and password, empty text fields, count of unsuccessful login attempts. Display the login successful/unsuccessful toastmessage.
17. Write a program to display following output using Relative layout.
18. Write a program to display following output using Relative layout.

* * * * *

Kakaktiya University

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) VI Semester
-- Practical Question Bank --
THEORY & PRACTICE OF GST
DSC602**

Record: 10
Practical: 10
Viva: 15
Total: 35

1. Draw a chart showing tax structure in India.
2. Draw a chart and write a note on Pre-GST Indirect tax structure in India.
3. Write any five limitations of Pre-GST Indirect taxes.
4. What was the significance of Introduction of VAT in Indirect Taxes prior to implementation of GST. Write a short note.
5. Need for GST in India.
6. What are the important stages in implementation of GST.
7. What were the taxes subsumed in GST.
8. Visit CBIC Website and make a note of important contents.
9. What is the major difference in incidence of tax during pre and post GST implementation with respect to inter-state transfer. Explain with example.
10. What are the exclusive products not included in the purview of GST. Why?
11. When GST council was notified and what is its composition.
12. What are different types of taxes levied under GST.
13. What are the laws supporting the levy of GST. Explain with examples or rules.
14. What is RNR?
15. What are the categories of Goods and Services for levying GST.
16. Briefly explain the important components of Supply.
17. What activities are included in supply?
18. Brief registration process of GST.
19. Ram Enterprises purchased goods from Shyam Enterprises. The goods were supplied on 15/01/2018. Ram Enterprises paid an advance of Rs. 1,00,000 for purchases on 10/01/2018. The invoice was raised on 30/01/2018. Explain with respect to supply.
20. Mr. Y was travelling from Hyderabad to Bengaluru on flight. During his journey he purchased some books. Determine the incidence of tax. Identify place

of supply.

21. What is Composite supply and Mixed Supply. What is the rate of tax applied?
22. Write a short note on the process of GST.
23. What are the types a dealer can opt at registration?
24. What is the threshold limit for composite dealers & Registered dealers.
25. List out five examples of B2C transactions.
26. Draw a specimen of Invoice, Tax Invoice and Bill of Supply.
27. What is Supplementary invoice?
28. What is the eligibility for availing Input Tax Credit?
29. With the help of diagram show Input Credit Mechanism.
30. List out masters to be created to effect GST in tally.
31. Draw a table giving details of GSTR-1,GSTR-2,GSTR-3.
32. Write the steps for filing GSTR 1, GSTR -2,GSTR-3.
33. Who files GSTR-6A.
34. What type of GST Returns, e-commerce operators need to file.
35. What is Reverse Charge Mechanism?
36. What are the activities specified as Negative List according to Schedule -III.
37. Mr. Ankur purchased goods for Rs. 8,00,000 and paid tax @ 5% from a dealer in same locality. He sold Rs. 4,00,000 worth goods to Raj and collected tax from him. Record the following transaction with the help of accounting Software.
38. Mahesh Enterprises of Hyderabad purchased goods from Ashish Enterprises of Chennai, he paid GST @ 28%. Record the transaction in Accounting software.
- 39. Create 3 stock items named milk, bread and Ice creams. Opening balances of these 3 stock items would be milk - 10 litres, Bread- 20 Pkts and Ice creams - 25 numbers. Create 1 sundry debtor and 1 sundry creditor within state. Record a purchase entry of 5 liters of milk at 5% GST rate for ₹80 per liter, 10 Pkts of Bread for Rs.25 per pkt at 5% GST rate and 30 numbers of Ice creams for ₹30 per Ice cream at 18% GST rate. A sale entry 10 liters of milk Rs.90 per liter, 15 Pkts of Bread for Rs.40 per pkt and 35 numbers of Ice creams for ₹50 per Ice cream.**
40. What is the value in GST invoices when Rs. 10000 worth of goods are purchased, GST tax rate @ 5%. In second invoice two purchases of Rs 5000 worth goods GST rate @ 5% and another Rs 5000 GST @ 18%. Both the transactions are intra state and show the GST Tax ledgers.

41. Mr. A sold goods to Mr. B for Rs. 20,000. Mr. A is charging packing charges of Rs. 800. And also paying freight of Rs. 2800 from Mr. A's premises to Mr. B's premises. Mr. A also charged interest of Rs. 750 for delay in payment. Determine the taxable value for levy of GST. Whether packing charges or freight, Interest are required to include in the invoice to determine taxable value? Show Tax Invoice GST@ 12% (intra state supply).

42. Mr. X sold 1000 units of goods to Mr. Y for Rs. 20,000 and total unit sold during the year to Mr. Y after including these units is 2500 unit. As per terms of the agreement if Mr. Y is purchasing more than 2000 unit of goods in a year then Mr. X is allowing 10% discount in all the supplies. Assuming IGST rate is 18%. How discount will be recorded?

43. Create 5 stock items with GST @ zero tax rate, @ 5%, @12%, @18%, record interstate purchase and sale transactions. Show the details of input tax credit.

44. What are the conditions for E-Way bill. What are the options available in Tally.

45. Mr. Ajay (Hyderabad) provides consultancy services to Mr. Vijay (unregistered, address on record shows Tamil Nadu) and charged Rs.10000, levied GST @18%. Even provided consultancy services to Mr. Anand (unregistered and address is not available) Rs.15000, GST @ 12%. Show the transactions in Tally.

46. Mrs Rani, resident of Hyderabad has a Bank account and with draws money from ATM in Hyderabad. She went on tour and withdrawn Rs50000 from ATM in Kerala. Identify place of service, type of taxes levied in both the cases.

47. M/s Pooja sold 250 laptops to M/s.Raj for Rs. 50,000 each. Tax Invoice was raised. They were given discount of Rs.5000. M/s Raj returned 250 laptops. Assuming GST rate is 18%. Show discount and GST ledger.

48. Assume five intra state purchase and sale transactions and show Input tax credit in Tally.

49. Out ward supplies, B2B, Goods sold to R dealer Rs. 120000,
Goods sold to Customer (B2C) Rs.15000, Goods sold to Interstate dealer Y Rs. 150000. Assuming GST @ 18% show the effect of outward supplies in GST Return.

50. Purchased goods from registered dealer M/s Modern, Rs. 50000 and Rs. 5000

was paid as advance , Purchased goods from unregistered dealer M/s. Ram Rs. 40000. Purchased goods from inter state dealer M/s Jyothi, Rs. 75000. Goods returned to M/s Jyothi Rs.5000, after raising tax invoice. Record Inward supplies in Tally.

* * * * *

Kakaktiya University

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT,
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) VI Semester
-- Practical Question Bank --
MULTIMEDIA SYSTEMS
DSC602A**

Record: 10
Practical: 10
Viva: 15
Total: 35

1. Create an Image with line, rectangle, square and other basic shapes.
2. Create a new image adding background colour and foreground colour
3. create a new image fill with various pattern (Fill type)
4. Draw curve, circle, arc, oval using tools panel and the properties panel.
5. Create an animation using the tools panel and the properties panel to draw the following Pen ,Pencil, brush, lasso tool
6. Create a heart shape in GIMP using selections.
7. Insert background image and do the following using blender.
 - a) Make annotations on the active area.
 - b)Scale(Resize selected items)
8. Create your own text and apply different font styles, size, alignment and color
9. Create text using text -editor tool apply various formatting like Bold, Italic, underline and strikethrough.
10. Create text using text -editor tool apply Justify like left justify, right justify and centre justify
11. Create an animation in which text HELLO gets converted into GOODBYE (using motion/shape tweening).
12. Create an Outline Around Text ("Text tool option" window)
13. Create text using text -editor tool apply various orientation effects
14. Create a new layer apply Fill with transparency effect
 - a. Flip horizontally
 - b. flip vertically
15. Create your own text and apply arbitrary rotation
16. Create your college logo that appears to be floating above a background
17. Create your own text and add object mirror effect and Transform-rotate effect.
18. Create your own text and apply view port shading

19. Insert an Image in GIMP and perform the following
 - a. Adjust colour curves
 - b. Perform Invert, Linear Invert, and value Invert
20. Insert an image and do the following using blender.
 - a) Rotate it in different directions.
 - b) Make annotations on the active area.
 - c) Scale(Resize select edit ems)
21. Apply snake hook, rotate, cloth effects by using sculpting and display it in different viewpoints.
22. Merge an image from a file to the Current Image In Gimp (Use "File->Open As Layers)
23. Draw box and apply different colors.
24. Apply different filter effects to the image
 - a. Blur
 - b. Distorts
 - c. Artistic with cartoon and photocopy
25. Insert an image and perform the following:
 - a. Smudge the image
 - b. Dodge/burn the image
26. Insert an image and perform the following using Transform Tool
 - a. Distort the image using Wrap Transform
 - b. Flip the image
 - c. Create a 3-D Image
 - d. Use Perspective Transform
 - e. Use Shear Transform
27. create 2D animation to depict moving object from left to right
28. Insert an image and apply Décor filter
29. Insert an image and apply Map-illusion filter
30. Take two files in one folder with different MB and Show ZIP and UNZIP compression of files with steps.
31. Create an animation using blend animation effect
32. create a webpage with sample Video using video tag
33. Remove A Window Border In Gimp image(crop tool)
34. Create an animation having an image having fade-in fade-out effect

35. Create an animation–Pseudo-colour Overlays
36. Create your college LOGO and save it with different file extension like BMP, JPEG, GIF, TIFF and PNG
37. Write about covid safety in measures by selecting animation menu showing animation transition and sound effects.
38. Create a water wave effect animation using (wave).
39. Create an animation adding an image and text where image is blur(blur ineffect)
40. Create an animation adding a text using Fire Effects in Gimp (using FiltersMake2Dstill and animated fire! Blurand Noise filters)
41. Create an animation adding at extusing Beveled text on Stone
42. Create an animation adding at extusing Neon Text
43. Create an animation adding a text using Text on Faces (Blend your text with a person’s face.)
44. CreateananimationaddingatextusingArtistic3DText(Combine illustrator 3D effects and Gimp)
45. Create an animation using X-ray scanner (use the same face and skull images. Rescale tool, Iwarp, Blur, and layer masking.
46. Create a Text Portrait Poster (half text–half image) in GIMP
47. Write steps to show audio effects.
48. Write steps to show video effects.
49. Write steps to show sound effects.
50. Create a scene to show the sunrise(using multiple layers and motion tweening)

Note: Implement the programs using GIMP/Blender/Audacity/animation tools/image editor/video editor

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT,
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) VI Semester
-- Practical Question Bank --
CYBER SECURITY
DSC602B**

Record: 10
Practical: 10
Viva: 15
Total: 35

Objective: Analyze cyber-attacks, types of cybercrimes, cyber laws and also how to protect the entire Internet community from such attacks. Interpret and forensically investigate security and network incidents. Apply policies and procedures to manage Privacy issues.

Note: a) Write the below Program using C language or Python.

1. What are the Roles and Responsibilities of System Administrator? Write the steps for creating the User account, setting permissions and protecting your files with password.
2. Write the steps for disk partitioning and perform operations like shrinking, Extending, deleting and formatting.
3. Prepare a Case study on Ransomware attacks. (Ex: MediaMarkt)
4. Write the steps for installation of software from Open source Mode and Paid subscription mode
5. Write the steps to make Microsoft Chrome as a default browser, Add Active X Controls and Add-on to the Browser.
6. Write the steps to establish peer to peer network connection using two systems in a LAN
7. What is WiFi? How do you configure the Wifi on Windows operating system
8. Write the steps to Install and configure Network Components like switches, Hub and Modem and how do you connect to Dial-Up networking
9. What are the features of firewall? Write the steps in providing network security and to set Firewall Security in windows.
10. Write the steps for installation of System Software, Application software and Antivirus.

11. What do you mean by Spooling printers? Write the steps for spooling printer.
12. Write a Program to identify the category of IP address for a given IP address
13. Write a Program to check the strength of the password.
14. Write the steps to transfer files between Wireless communication using Blue Tooth and FTP
15. Prepare a case study on Cosmos Bank Cyber attack in Pune
16. Write a Program to search the given pattern using optimized algorithm
17. Prepare a case study on Social Media Crime that occurred in Pune 2021.
18. Prepare a case study on Japanese Bank for Keylogger Scam
19. Write the steps to prevent the denial of Service attacks.
20. Write the steps to demonstrate intrusion detection system (ids) using the tool SNORT
21. What is Malware? Write the steps to remove the malware from your PC.
22. What are the various types of Vulnerabilities for hacking the web applications.
23. Write steps for sharing files and printer remotely between two system
24. List out the various Mobile security apps . Write the steps to install and use ,one of the mobile security app
25. Write the algorithm for encoding and decoding the Hash-Based Message Authentication Code(HMAC)
26. Prepare a case study on Mahesh Bank cyber attack.
27. Prepare a case study of cyber attack through Facebook Account
28. Create a Presentation on “ Ethical Hacking” at least 10 slides
29. Write a Program to download a file from HTTP server
30. Create a Presentation on “Security Protocols” (atleast 5 protocols)
31. Write the steps to detect the number of devices connected to wifi and block unauthorized devices
32. Prepare a case study on Crypto currency Cyber attack. (Ex: Grim Finance)
33. Write an algorithm and Program for encrypting a plain text and decrypting a cipher text using Caesar Cipher.
34. Write an algorithm and Program to implement Data Encryption Standard (DES) for encryption and decryption

35. Write RSA algorithm and Program to implement RSA Standard for encryption and decryption
36. Write the steps to analyze the E-Mail Application's security vulnerabilities.
37. What is SQL Injection? Write steps for SQL Injection attack on Insert, Update and Delete.
38. Write an algorithm and a Program to implement Diffie Hellman Key
39. Write an RSA algorithm and Program to implement digital Signature Scheme
40. Write an algorithm and Program to generate Pseudo Random numbers in a range
41. Create a Presentation on "Cyber Security Regulations" with at least 10 slides
42. Create a Presentation on "Role of International Law" with at least 10 slides
43. Create a Presentation on "Cyber Forensics" with at least 10 slides
44. Create a Presentation on "Cyber Security Standards" with at least 10 slides
45. Create a Presentation on "Cyber Security Attacks" with at least 10 slides
46. Write a Program to validate your Email address
47. Write the steps to check the devices connected to your internet and about data usage
48. Create a Presentation on "Cyber Security Policies 2013" with at least 10 slides
49. Create a Presentation on "State and Private sectors in Cyber Space" with at least 10 slides
50. Write the steps to read Email Headers and identify them as SPAM.

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT,
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal**

**B.Com (Computer Applications) VI Semester
-- Practical Question Bank --
DATA ANALYTICS
DSC602C**

Record: 10
Practical: 10
Viva: 15
Total: 35

1. To setup and install Hadoop in Pseudo-Distributed Mode.
2. Install, Deploy & configure Apache Spark.
3. Implement the following file management tasks in Hadoop: Adding Files and Directories, Retrieving Files, Deleting Files
4. Exploring various shell commands in Hadoop.
5. To install and run Apache Pig in Ubuntu so as to work with Hadoop
6. To explore basic Data Processing operators in Pig.
7. To explore Hive with its basic commands: create, alter, and drop databases, tables, views, functions and indexes.
8. Data analytics using Apache Spark on Amazon food dataset, find all the pairs of items frequently reviewed together.
9. To perform data analysis on weather dataset using MapReduce.
10. To count the number of lines in a document using MapReduce Programs.
Find the average, max and min temperature for each year in NCDC data set?
11. Write Pig Latin program to sort, group, join, project, and filter your data.
Find out Number of Products Sold in Each Country.
12. Implement word count / frequency programs using Map Reduce
13. Implement an MR program that processes a weather dataset
14. Implement Linear and logistic Regression
15. Implement SVM / Decision tree classification techniques
16. Implement clustering techniques
17. Visualize data using any plotting framework
18. Implement an application that stores big data in Hbase / MongoDB / Pig
Using Hadoop / R.
19. READING AND WRITING DIFFERENT TYPES OF DATASETS
Reading different types of data sets (.txt, .csv) from web and disk and

writing in file in specific disk location.

20. Reading Excel data sheet in R.
21. Reading XML dataset in R
22. VISUALIZATIONS find the data distributions using box and scatter plot.
23. VISUALIZATIONS find the outliers using plot.
24. VISUALIZATIONS Plot the histogram, bar chart and pie chart on sampled data
25. REGRESSION MODEL Import a data from web storage. Name the dataset and now do Logistic Regression to find out relation between variables that are affecting the admission of a student in a institute based on his or her GRE score, GPA obtained and rank of the student. Also check the model is fit or not. require (foreign), require(MASS)
26. MULTIPLE REGRESSION MODEL Apply multiple regressions, if data have a continuous independent variable. Apply on above dataset.
27. REGRESSION MODEL FOR PREDICTION Apply regression Model techniques to predict the data on above dataset
28. CLASSIFICATION MODEL Install relevant package for classification.
29. CLASSIFICATION MODEL Choose classifier for classification problem.
30. CLASSIFICATION MODEL Evaluate the performance of classifier.
31. To get the input from user and perform numerical operations (MAX, MIN, AVG, SUM, SQRT, ROUND) using in R.
32. To perform data import/export (.CSV, .XLS, .TXT) operations using data frames in R.
33. To get the input matrix from user and perform Matrix addition, subtraction, multiplication, inverse transpose and division operations using vector concept in R.
34. To perform statistical operations (Mean, Median, Mode and Standard deviation) using R.
35. To perform data pre-processing operations i) Handling Missing data ii) Min-Max normalization
36. To perform dimensionality reduction operation using PCA for Houses DataSet
37. To perform Simple Linear Regression with R.
38. To perform K-Means clustering operation and visualize for iris data set
39. Write R script to diagnose any disease using KNN classification and plot the

results.

40. To perform market basket analysis using Association Rules
41. Creation of a Data Warehouse.
42. Apriori Algorithm
43. One Hierarchical clustering algorithm.
44. Bayesian Classification
45. Decision Tree Induction algorithm
46. Support Vector Machine
47. Applications of classification for web mining.
48. Case Study on Text Mining.
49. Visualize data using any plotting framework
50. Study and implementation of Data Visualization with ggplot2

LIST OF SOFTWARE:

- Hadoop
- YARN
- R Package
- Hbase
- MongoDB
- Excel