# St. Vincent Pallotti College, Raipur

# Program/Curriculum/Syllabus of Courses

# M.Com – 4<sup>th</sup> Semester

# St. Vincent Pallotti College

# Commerce & Management Department

# Parameters for Internal evaluation

Internal evaluation is done in each semester in which candidate becomes eligible to appear in the concerned semester examination. The internal assessment marks obtained by the candidate in the first attempt is retained & considered valid for all subsequent attempts.

Marks allotment for M.COM course

Out of 20 marks allocated for internal assessment for each paper:

- i. 10 marks are to be assigned for class test
- ii. 5 marks are to be assigned for assignment/seminar presentation
- iii. 5 marks are to be assigned for attendance.

The marks for attendance shall be as follows:

i.	More than 65% but less than 75%	1 Marks
ii.	70% or more but less than 75%	2 Marks
iii.	75% or more but less than 80%	3 Marks
iv	80% or more but less than 85%	4 Marks
v.	85% and above	5 Marks

For M.COM IV Semester Project report marks are to be sent in following format:

Form No	o, C-10			FOIL/COUNTER FOI	L		
		Pt.	Ravishankar Shukla U	niversity,			
		R	AIPUR - 492010 (C.G.)	)			
			E	xamination 20			
Practic	al Viva-Voce/I	Dessertation Examina	ition in				
Class_			_(Subject)				
Centre							=
Date or	n which Exami	nation was held					
No. of	Candidates Ex	amined	Maximum M	arks	-	,	
	Roll No.	Enrolment	Name of	Project	Viva	Total Marks	allotted
S.NO	110211101	No.	Candidate ——	Report (50)	Voice (50)	In Figures	In words



# **PGDCA** (Semester-I)

# PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (C.G.)

# POST GRADUATE DIPLOMA IN COMPUTER APPLICATION, 2022-2023 [DURATION – ONE YEAR – FULL TIME]

The duration of the course shall be one year consisting of two semesters. There shall be three theories and two practical courses in the each semester.

# FIRST SEMESTER

PGDCA-101: Fundamentals of Computers.

PGDCA-102 : Office Automation. PGDCA-103: Programming in C

PGDCA-104: Practical based on PGDCA-102. PGDCA-105 : Practical based on PGDCA-103

# PGDCA-104: Practical based on PGDCA-102

#### 1. Scheme of Examination: -

Practical examination will be of 3 hours duration. The distribution of practical marks is as follows:

Program 1 (Word) Program 2 (Excel) 15 Program 3 (Access) 15 Program 4 (Powerpoint/Publisher) Viva-Voice 20 [Practical Copy + Internal Record] 20

2 In every program there should be comment for each coded line or block of code.

3 Practical file should contain printed programs with name of author, date, path of program, unit no. and printed output.
4 All the following programs or a similar type of programs should be prepared.

# List of Practical

File New, Open, Save, Cut, Copy, Paste, Drag Drop, Bullets and Numbering, Undo, Redo, Find, Replace, Paragraph Formatting, Character Formatting and Page Formatting.

1. Open a document. Type the following text and perform the tasks as instructed below:-

Working with Word Processor

As already mentioned, a word processor is a package that processes textual matter and creates organized and flawless documents. In addition to it a word processor not only remote all the limitations of typewriter but also offers various useful features that cannot be even dreamt of with typewriter.

Also if same textual matter is to be reproduced with minor changes, retyping the only option in typewriters.

The word processing (and word processor) originated way back in 1964 when special typewriters. Magnetic Tape Selectric typewriters (MIST) were launched by IBM (International Business Machines).

(i) Insert the following text after the first paragraph

The main components of a word processing system are listed below:

The main components of a word processing system are listed below.

a. Computerb. Printer

c. A word processing software

(ii) (iii) (iv) (v) (vi) (viii) (viii) (ix) (x) Save the document as Word1 doc Move the second paragraph to the end of the document. Using darg & drop.

Move the second paragraph in the end of the document using cut, paste operations.

Undo the above actions. Now use Redo actions Now use Redo actions
Go to the End of the document ( in one step)
Go to the Beginning of document ( in one step)
Insert page break before the third paragraph.
Scarch the word "computer; in your document with options Match case, find whole words only. Replace the word "typewriters" with "word processor"

(xi) (xii) (xiii) Undo the above action

bridge the above action Remove All page breaks from your document Change the magnification of your document to different percentages using zoom (xiv) features.

Format the above written paragraphs and give the options as follows.

Alignment justified Indentation: left 0.2 right:0.2

Spacing: before 6 pt. after:6 pt Special: first line by :0.4"

Line spacing 1.5 lines

(xv)

(xvi) (xvii) (xviii) Set the default tab stop to 0.3" Set the margins to 1.25 Cornel The page using



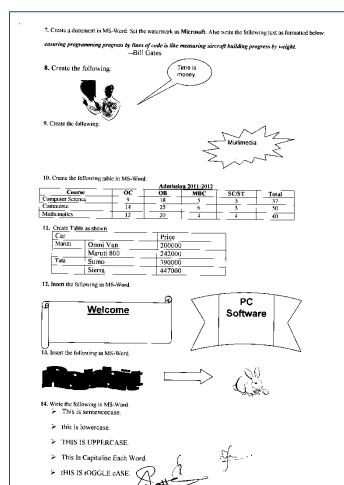
```
a. Left margin: 0.5. right margin: 0.5
b. Top margin: 1.5. bottom margin: 0.5
c. Gutter Margin: 1 indentation: left 0.2 right: 0.2
d. Header Margin: 0.5
Format the each occurrence of group of words "Word Processor" as bold, italic, under line and small caps using find and replace with formatting options.

Align the heading to Center and make it bold, underlined and italicized.
 (xix)
   (xx)
   File New, Open, Save, Find, Replace, Paragraph Formatting, Character Formatting and Page Formatting.

2. Type the text as show below and perform the tasks as directed:
   Computers
COMPUTER is an electronic device that processes data and gives meaningful information. Computers are being used in almost all the fields today
EXPERT SYSTEMS
HUMAN THINKING AND ARTIFICAL INTELLIGENCE
Can computer bink?
All at work Today: Natural Language programs and Expert Systems
THE IMPACT OF COMPUTERS ON PEOPLE
All an work Today. Natural Language programs and Export systems
THE IMPACT OF COMPUTERS ON PEOPLE
The Positive Impact
The IMPACT OF COMPUTERS ON ORGANIZATIONS
The information Processing Industry
The Positive Impact on Using Organizations
The Potential Dangers for Using Organizations
The Potential Dangers for Using Organizations
The Potential Dangers for Using Organizations
1. Search for the word 'Computer' in the entire document. All the occurrences of the given word are to be searched irrespective of the case.
In the above question note that word also searches 'computerization and 'computerisations'. Now make sure that this time Word searches only for the word 'computer' in the entire document.

Change the entire uppercuss letter to lower-case.
Change the entire uppercuss letter Tolower-that appears in first line.
Apply outside border to the just heading text
Change tags the Heading text Computer that appears in first line.
Apply outside border to the just heading text
Change page setup according to the following specifications
Top margin: 1.5"
Guiter: 1". Hell margin: 1.5"
Guiter: 1". Hell margin: 1.5"
Guiter: 1". Hell margin: 1.5"
Guiter in the potential of the potential of the page of the potential of the page 
                                        of page no's.

Give appropriate commands for giving different header and footers for first page and odd & even
      10.
                                        pages.
                                                                                         Save and close the document.
       11.
         3. Write the following equations in MS-Word: 4H_3PO_3=3H_3PO_4+PH_3\,,\qquad PCL_2+CL_2-PCL_5,\qquad (x+y)^2=x^2+y^2+2xy
       4. Write the following equations in MS-Word: C_2H_5OH+PCL_5=C_2H_5CL+POCL_3+HCL,
                                                                                                                                                                                                                                A = \pi r^2, a \div b \neq 0
          5. Write the following in MS-Word:
                           1. Preheat the oven to 220°C.
2. Copyright ©
3. Registered ®
4. Trademark
               6. Create the following table in MS-Word:
       Name
Roll No.
Subject
Java
Multimedia
```



 Create the following list in MS-Word:
 Actors 1. Bruce Willis 2. Gerard Butler 3. Vin Diesel 1. Julia Roberts 2. Angelina Jolie 3. Kate Winslet 4. Cameron Diaz 16. Write the following in MS-Word: 1. Cricket Players 3. Batsman 1. Sachin Tendulkar 2. Rahul Dravid 3. Virendra Schwag a. Kumble b. Zaheer Khan c.Balaji 5 Spinner a) Harbhajan b) Kumble 17. Write a letter to send invitation to your friend invitting on your birthday.

18. Create labels for your friends' address.

MS – EXCEL

1. Create the following worksheet and save the worksheet as wages xls

PACE COMPUTERS (ATC CEDT), Govt. of India

Payroll for Employee (Temporary)

Today's date :			Pay Rate :
Worker's Name	Hired On	days Worked	Gross Wages
Kushagra	3-Mar-07		
Pradeep	4-Mar-07		
Dunget	5 Mar 07		

Rajeev 6-Mar-07
(I) Calculate days work and gross wage

2. Create the following worksheet and save the worksheet as wages.xls

Name Basic (monthly) (Rs.)	HRA(% of basic)	DA (Rs.)	Total Salary (1997)	Bonus (Rs)	Total Salary (1998)	% (Increase)
Shirome5000	10	450		1200		
Somya9000	15	800		200		
Tanya7000	12	900		1800		

- Calculate the total salary as sum of Basic salary, HRA DA, for each employee for 1997
  Calculate total salary for year 1998 as sum of salary of 1997 and bonus
  Calculate % increase in salary from 1997 to 1998

# 3. Create a worksheet as follows

Pace computer (ATC CEDT ) Govt. Of India

	Payroli for employee (Permanent)										
Empcode	name	doj	salary	bonus	net salary						
E001	Meenu	3-Mar-95	5000								
E002	Manoj	4-Mar-06	4000								
E003	Preeti	3-Mar-95	4800								
E004	Sumita	6-Mar 07	7500								

- allow bonus 8000 to employee having service >2 year other vise allow bonus 3000 find net salary as sum of bonus and salary

4. create the worksheet as follows

Roll No	Marc 1	Light		Breed to	100	
101	Kushagra	95	99			
102	Ajay	92	95			
103	Vijay	70	69			
		[.	Class Average			

- find Total of two subject for each student find average of two subject for each student find class as average of two subject for each student find class as average of average column find division of student as first, second, third, assume percentage of division of your own and maximum marks in each student as 100 Apply conditional formatting for division column, first division should be in bold, second division should be in italic and third division should be underline





MS – EXCEL

1. Create the following worksheet and save the worksheet as wages xls

PACE COMPUTERS (ATC CEDT), Govt. of India

Payroll for Employee (Temporary)

Today's date :

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Ĺ	Somya9000	15	800		200		
L	Tanya7000	12	900		1800		

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E002	Мапој	4-Mar-06	4000								
E003	Precti	3-Mar-95	4800								
E004	Sumita	6-Mar-07	7500								

- allow bonus 8000 to employee having service >2 year other vise allow bonus 3000 find net salary as sum of bonus and salary

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Roll No		Logistic .		100	10000	
101	Kushagra	95	99			
102	Ajay	92	95	į		i
103	Vijay	70	69			

- find Total of two subject for each student

- find average of two subject for each student find average of two subject for each student find class as average of average column find division of student as first, second, third, assume percentage of division of your own
- and maximum marks in each student as 100
  Apply conditional formatting for division column, first division should be in bold, second division should be in italic and third division should be underline





# MS-Access

Q.1. Create the following table in MS-Access

Field Name	Data Type	Description
ContactID	AutoNumber	Primary Key
ContactType	Text 50	Type of contact (Wholesale, dealer, other)
Name	Text 50	Contact's first name
Company	Text 50	The Contact's employer
Address	Text 50	Contact's address
City	Text 50	Contact's city
State	Text 50	Contact's state
ZipCode	Text 50	Contact's zip code
Phone	Text 50	Contact's phone
Fax	Text 50	Contact's fax
E-Mail	Text 100	Contact's e-mail address
WebSite	Text 100	Contact's Web address
LastSalesDatc	Date/Time	The most recent date the contact purchased something
DiscountPercent	Number	The customary discount provided to the customer
Notes	Memo	Notes and observations regarding this customer
Active	Yes/No	Whether the customer is still buying or selling products

Q.2. Create the following tables in MS-Access with the refential integrity-foreign key:

1. tblPruducts

Quantity Cost Category RetailPrice Product SalePrice Taxable Number 2. th/SalesLineItems
Primary Key - SalesLineItemID
SalesLineItemID | InvoiceNumber | ProductID | ProductNumber | Quantity | Description | Price | Discount | SalesLineItemID | InvoiceNumber | ProductNumber | ProductNumber | ProductNumber | Price | Discount | Pr

3. thbales
Primary Key - InvoiceNumber
| InvoiceDate | Buver | PaymentMethod | TaxLocation | TaxRate |

- MS PowerPoint
  Q 1 Create a PPT of Alicast 10 Slides with one slide for comparison, one slide displaying a chart with the table.
  Q 2 Create a PPT presentation use relearse timing for the slide show
  Q 3 Create PPT presentation with the preliable,
  Q 4 Create PPT presentation with hyperhalding,
  Q 5 Create PPT presentation with hyperhalding,
  Q 5 Create PPT presentation with speriable presentation with speriable presentation and apply themes and transitions.

# MS Publisher

- I. Create a business card for your business. Include the following information: Create a business card air your business: include the rolley

  Loop and Name:

  Your name and title (Eg. Owner, President, Manager)

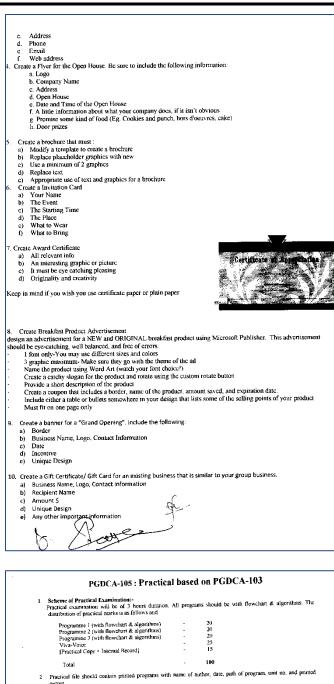
  Address

  Phone

  Final

  Web address
- 2 Create a Greeting Card, Using the following
  3) Greeting of your choice
  b) Image on the front of the card
  c) Cost
  d) Made by
  l Image on the inside folds of the card
  f) Image on the back of the card
  create a Letterhead for your burners. Be sure to include the:
  a Logo
  b Company Name

Logo
 Company Name



- output.

  In every program there should be comment for each coded line or block of code.

  All the programs or a similar type of programs should be prepared as per the practical list.

List of Practical
INPUT AND OUTPUT, FORMATTING

Write a program in which you declare variable of all data types supported by C language. Get input from user and print the value of each variable with uligament left, right and column width 10. For real numbers print their values with two digits right to the decimal.

LOOPS, DECISIONS

2. Write program to print all combination of 1 2 3.

Write program to generate following pattern

a) \* \* \* \* \* . . . . . . \* \* \* \* \* . . . . . 1 b) ! 2 1 2 3 2 1 2 3 4 5 6 4 3 2 1 2 3 4 7 8 9 10

- 4. Write main function using switch, case, if else and loops which when called asks pattern type; if user enters 11 then first pattern is generated using for loop. If user enters 12 then first pattern is generated using ob-while loop. If user enters 13 then first pattern is generated using do-while loop. If user enters 21 then a second pattern is generated using for loop and so on.
- Write program to display number 1 to 10 in octal, decimal and hexadecimal system.
- 6. Write program to display number from one number system to another number system. The program must ask for the number system in which you will input integer value then the program must ask the number system in which you will warm output of the input number after flux you have to input the number in specified number system and program will give the output according to number system for output you mentioned. 7. Write a program to perform following tasks using switch...case, loops, and conditional operator (as and when necessary).

  Output

  Description:

  Output

  Description

  Descr

a) Find factorial of a number

b) Print fibonacci series up to n terms and its sum.

c) Print sin series up to n terms and its sum.

d) Print exponential series up to n terms and its sum. e) Print prime numbers up n terms.

e) Print prime numbers up n terms.

f) Print whether a given year is leap or not.

8. Write program no. 6 but use library function to perform above tasks ARRAY

Create a single program to perform following tasks using switch, if, else, loop and single dimension character array without using library function.

a) To reverse the string.
 b) To count the number of characters in string.

b) To count the number of characters in string
c) To copy the one string to obline string;
d) To find whether a given string is palindrome or not
c) To copy this not events consonants in each word of a sentence and no. of punctuation in sentence.
l) To availage the alphabets of a string in according order.
Create a single program to perform following tasks using switch, if. else, loop and single dimension integer array: a) Sort the elements

c) Search for presence of particular value in array element using linear search

d) Search for presence of particular value in array element using binary search

Write a program that read the afternoon day temperature for each day of the month and then report the month average temperature as well as the days on which hottest and crolest days occurred.

Create a single program to perform following tasks using switch, if, else, loop and double dimension integer array
of size 3x3;

a) Addition of two matrix

b) Subtraction of two matrix

c) Multiplication of two matrix.

d) Inverse of matrix

e) Transpose of matrix

f) Sum of diagonal elements

Create a single program to perform following tasks using switch, if, else, loop and double dimension character array of size 5v40:

a) Sorting of string

b) Finding the largest string.

c) Finding the smallest string

c) Searching for presence of a string in array

FUNCTIONS

14. Write program using the function power (a,b) to calculate the value of a raised to b.

15. Write program to demonstrate difference between static and note variable.

16. Write program to demonstrate difference between local and global variable

17. Write a program to perform following tasks using switch...case, loops and function.

a) Find factorial of a number

b) Print Fibonacci series up to n terms and its sum.

c) Print Sin series up to n terms and its sum

d) Print exponential series up to n terms and its sum.

18. Write a program to perform following tasks using switch ... case. loops and recursive function.

a) Find factorial of a number

b) Print Fibonacci series up to a terms and its sunt.

c) Print Sin series up to n terms and its sum.

d) Print exponential series up to n terms and its sun

e) Print natural scries up to n terms and its sum

 Write a function to accept 10 characters and display whether each input character is digit, uppercase fetter or lower case letter. State

Array & Function Create a single program to perform following tasks using switch, if else, loop, function and double dimension integer array of size 3x3:

a) Addition of two matrix

b) Subtraction of two matrix

c) Multiplication of two matrix.

d) Inverse of matrix. e) Transpose of matrix

Create a single program to perform following tasks using switch, if.else, toop, user defined function and single dimension character array;

a) To reverse the string.

b) To count the number of characters in string.

c) To copy the one string to other string;

d) To find whether a given string is palindrome or not.

e) To count no, of vowels, consonant in each word of a sentence and no, of punctuations in sentence.

Create a single program to perform following tasks using switch, if.else, loop, function and single dimension integer array:

a) Sort the elements

b) Find largest element and smallest element.

c) Search for presence of particular value in array element using linear search

d) Search for presence of particular value in array element using binary search.

Create a single program to perform following tasks using switch, if..else, loop, function and double dimension character array of size 5x40:

a) Sorting of string

b) Finding the largest string, lexicographically

c) Finding the smallest string, lexicographically,

c) Searching for presence of string in array

STRUCTURE & UNION

24. Create a structure Student having data members to store roll number, name of student, name of three subjects, max marks, min marks, obtained marks. Declare a structure variable of student. Provide facilities to input data in data members and display result of student.

25. Create a structure Date with data member's dd, mm, yy (to store date). Create another structure Employee with data members to hold name of employee, employee id and date of joining (date of joining will be hold by variable of structure Date which appears as data member in Employee Structure). Store data of an employee and print the same.

26. Create a structure Student having data members to store roll number, name of student, name of three subjects, max marks, min marks obtained marks. Declare array of structure to hold data of 3 students. Provide facilities to display result of all students. Provide facility to display result of specific student whose roll number is given.

27. Write program to create structure complex having data members to store real and imaginary part. Provide following facilities:

a) Add two complex nos. using structure variables.

b) Subtract two complex nos, using structure variables.

c) Multiply two complex nos. using structure variables.

d) Divide two complex nos, structure variables.

Use structure as argument to function and function returning structure,

#### POINTER

- 28. Define union Emp having data members:-one integer, one float and one single dimension character array. Declare a union variable in main and test the union variable
- 29. Define an enum Days\_of\_Week members of which will be days of week. Declare an emm variable in main and
- 30. Write a program of swapping two numbers and demonstrates call by value and call by reference.
- 31. Write program to sort strings using pointer exchange
- 32. Write a program in c using pointer and function to receive a string and a character as argument and return the no. of occurrences of this character in the string.
- 33. Create a program having pointer to void to store address of integer variable then print value of integer variable using pointer to void. Perform the sume operation for float variable.
- 34. Write program to find biggest number among three numbers using pointer and function.
- 35. Write program to Create a structure Employee having data members to store name of employee, employee id, salary. Use Pointer to structure to store data of employee and print the stored data-using pointer to structure.
- 36. Write program to Create a structure Employee having data members to store unne of employee endough salary. Use Pointer to structure to simulate dynamic array of structure store data of n employees and print the stored data of n employees using pounter to structure.
- Write a program to sort a single dimension array of integers of n elements simulated by pointer to integer. Use function for sorting the dynamic array.
- 38. Write a program to sum elements of a double dimension array of integers of m rows and n columns simulated by pointer to pointer to integer. Use function for sum the elements of the dynamic array.
- 39. Write program to demonstrate difference between character array and pointer to character.
- 40. Write program to demonstrate difference between constant pointer and pointer to constant
- 41. Write program to demonstrate pointer arithmetic.
- 42. write program to demonstrate function-returning pointer
- 43. Write program using self-referential pointer to structure to create and print the linked list, data structure.

#### FILE STREAMS

- 44. Write program to copy content of one file to other file removing extra space between words name of files should come from command line arguments.
- 45. Write program to create a file 'data' containing a series of integers and count all even numbers present in the file 'data'.
- 46. Write a program to count no of tabs, new lines, character and space of a file.

Soot &

- 47. Write a program to read item number, rate and quantity from an inventory file and print the followings:
  - 1. Items having quantity > 5.
  - 2 Total aget of inventory

6

# PGDCA(Semester-II)

# SCHEME OF TEACHING AND EXAMINATION P.G.D.C.A. (Post Graduate Diploma in Computer Applications)

# SECOND SEMESTER

Subject	SUBJECTS	Teachi	ng Loa	d Per	Examination Marks							
Code			Week			Max. Marks			Min. Marks			
		L	T	P	Th	Ses	Pr	Total	Th	Ses	Pr	Total
PGDCA106	Programming in VB .Net	3	2	_	80	20		100	20	13	_	33
PGDCA107	Database Management Systems	3	2	_	80	20	_	100	20	13	_	33
PGDCA108	Internet and Web Technology	3	2	_	80	20	_	100	20	13	_	33
PGDCA109	Practical based on PGDCA106	_	_	3x2	_	_	100	100	_	_	40	40
PGDCA110	Practical based on PGDCA107 and PGDCA-108	_	_	3x2	_	_	100	100	_	-	40	40
	TOTAL	9	6	12	240	60	200	500	60	39	80	179

# PGDCA-109: Practical based on PGDCA106

. Scheme of Examination:

Practical examination will be of 3 hours duration. The distribution of practical marks is as follows:

 Program 1
 20

 Program 2
 20

 Program 3
 20

 Viva-Voice
 20

 [Practical Copy + Internal Record]
 20

Total - 100

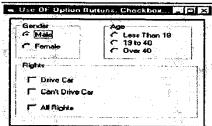
- 2 In every program there should be comment for each coded line or block of code.
- 3 Practical file should contain printed programs with name of author, date, path of program, unit no, and printed output.
- 4 All the following programs or a similar type of programs should be prepared.

# **Practical List**

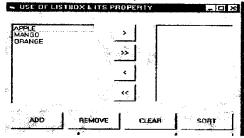
- Design the form that calculates Sum, Multiplication, Division and Subtraction of two numbers.
- 2. Design Simple calculator.
- 3. Design the form to input radius of a circle and find its circumference and area.
- 4. Design the form to input length in centimeter and convert it into meter.
- 5. Design the form to input temperature in Celsius and convert it into Fahrenheit.
- Design the form to input Principal amount, Time, Rate and calculate Simple Interest and Compound Interest show result information in msgbox.
- 7. Design a form that shows following operation related to array.
  - a) Sort array elements in ascending or descending order.
  - b) To insert an element in an array
  - c) To delete an element from an array at specified position.
  - e) Print all unique elements in the array.
- Design a form to check whether a number is PRIME or NOT, using input box and msgbox.
- 9. Design the form to show the result and percent of PGDCA.



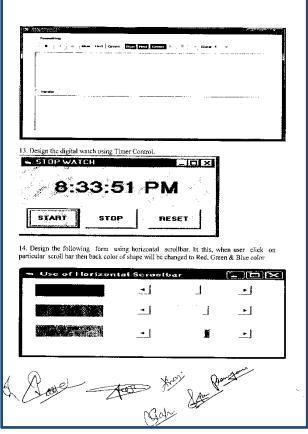
 Design the following form. So when user clicks on Radio Button then select appropriate checkbox.

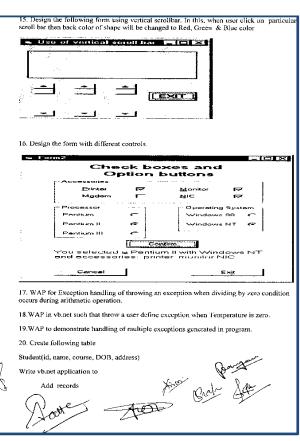


11. Design form that shows the functionality of listbox:



12. Design one form to create application like Rich text document using 1 Rich Textbox and different buttons. When user presses any of this command buttons then the selected content of Rich textbox Will be changed accordingly.





Delete the particular record

View all the student who are studying in course PGDCA using DataSet.

21. Write vb.net application to maintain loan database using connected scenario

Loan(id, cust\_num, name, amount, no\_of\_inst, amt\_inst, no\_of\_inst\_over)

Print all the customer who has to pay only one installment,

Print the total amount to be repaid by all the customer

22. Write vb.net application which accesses the following table.

 $\label{product_master} Product\_master \ (pdt\_no, \ description, profit \ percent, \ uni\_measure, \ qty \ on\_hand, recorder\_level, cost\_price, sell\_price)$ 

Perform insert, delete, view and search for items whose cost price is less than sell

- 23. Write a vb.net application that perform insert, update and delete operations on Employee table & perform a navigation operation on employee records using disconnected scenario.
- 24. Create table STUDENT with the following columns and datatypes.

Sid Alphanumeric Name Varchar(20)

DOB DateTime AddrVarchar(20) Contact Varchar(10)

1. Insert following records into the table:

OshoJuneja SanyaDua 30-jul-94 PQR NishantSahni Name DOB 28-jan-93
Addr ABC
Contact 9000000000 1-oct-92 XYZ 8000000000 7800000000 ii) Select records from table where age>22. [Use DOB for age calculation].
iii) Count the record in the table.
iv) Display records of the table order by DOB.

Perform using ADO net in vb.net

25. Write a vb.net program to show data in data grid view.

Ø~





## L. Scheme of Examination: -

Practical examination will be of 3 hours duration. The distribution of practical marks is as follows:

Program 1 (SQL) Program 2 (SQL) Program 3 (HTML) 15 15 15 15 Program 4 (HTML) Viva-Voice [Practical Copy + Internal Record] -20

 $2\ \mathrm{in}$  every program there should be comment for each coded line or block of code.

3 Practical file should contain printed programs with name of author, date, path of program, unit no. and printed 4 All the following programs or a similar type of programs should be prepared.

100

# <u>HTML</u>

Į.i.	Write an HINL	program to create	the following table:	
	Class	Subject1	Subject2	Subject3
	BCA I	Visual Basic	PC Software	Electronics
	BCA II	CFF	DBMS	English
	BCA III	Java	Multimedia	CSA

Q.2. Write an HTML program to create the following lists:
(I) C

(II) C++

an Fortran (IV) COBOL

Q.3. Write an HTML program to create the following lists:

1. Java

2. Visual Basic

3. BASIC

4. COBOL

Q.4. Write an HTML program to demonstrate hyperlinking between two web pages. Create a marquee and also

insert an image in the page.

Q.5. Write an HTML program to create frames in HTML with 3 columns (Widthe 30%, 30%, 40%).

Q.6. Write an HTML program to create a web page with a blue background and the following text:

New Delhi

New Delhi, the capital and the third largest city of India is a fusion of the ancient and the modern. The refrains of the Muslim dynasties with its architectural delights, give the majextic umbience of the bygone era.









# Q.7. Write an HTML program to create the following table: <u>Admission</u>

Course	OC	BC	MBC	SC/ST	TOTAL
Computer science	9	18	5	5	37
Commerce	14	25	6	5	50
Grand total					87

Q.8. Write an HTML program to create the following table:

<u>Car Price List</u>

Maruti		Tata		Ford	
Model	Price	Model	Price	Model	Price
Maruti 800	2 Lac	Sumo	2 Lac	Ikon	5 Lac
Omni	3 Lac	Scorpio	3 Lac	Gen	2 Lac

Q.9. Write an HTML program to create the following table: <u>Students Records</u>

Name	Subject	Marks
Arun	Java	70
	С	80
Ashish	Java	75
		69

Q.10. Create an HTML document and embed a flash movie in it.

Q.11. Write the HTML coding to display the following table. Also insert an image in the web page.

Subject	Max	Min	Obtain
Java	100	33	75
Multimedia	100	33	70
Operating System	100	33	68
C++	100	33	73

Q.12. Write the HTML coding to display the following table:

Name	Name		Rahul		
Roll No.		101	101		
Subject	Max	Min	Obtain		
Java	100	33	75		
Multimedia	100	33	70		

Q.13. Write an HTML program to create	a form as the following:
Enter Name:	
D . D UNI	

Enter Roll No.: Enter Age: Enter DOB:

Q.14. Write an HTML program to create a web page with an image as background and the following text:

New Delhi, the capital and the third largest city of India is a fusion of the ancient and the modern. The refrains of the Muslim dynasties with its architectural delights, give the majestic ambience of the bygone era. On the other side New Delhi, the imperial city built by British, reflect the fast paced present. The most fascinating of all is the character of Delhi which varies from the 13° present century mausoleum of the Lodi kings to ultra modern glass skyscrapers.



Dotte	Private	From Jan Janes

USERNAME : PASSWORD { When user types characters in	a password field, the brow	ser displays
asterisks or bullets instead of c	haracters.	
one	e My Computer	<b>₹</b> 100% ▼
SUBJECTS: Multimedia Multimedia Operating System CSA Submit Query		
17. Create the following HTML form.  Enter your name:		
Enter your rollno :   Subjects :   Java   C   C++	. !	
Class: BCA I SCA II BCA II BCA II BCA III BCA III		Jan Syn
(A)	X:00	wat Son

Q.18. Write the HTML coding for the following equations:  $C_2H_5OH+PCL_5=C_2H_3CL+POCL_3+HCL\\ 4H_3PO_3=3H_3PO_4+PH_3\\ PCL_3+CL_2=PCL_5$ Q.19. Write the HTML code to display the following: 1. Bruce Willis 2.Gerard Butler 3.Vin Diesel 4. Bradd Pitt 2. Actress 1. Julia Roberts 2. Angelina Jolie 3.Kate Winslet 4.Cameron Diaz Q.20. Write the HTML code to display the following:

1. Cricket Players

1. Batsman 1. Sachin Tendulkar 2. Rahul Dravid 3.Virendra Sehwag 2.Bowler d. Kumblee.Zaheer Khan f. Balaji 3.Spinner d) Harbhajan e)Kumble Show Make She f) Kartik

Using the following database, Colleges (<u>cname</u>, city, address, phone, afdate) Staffs (<u>sid</u>, sname, saddress, contacts) Staffloins (sid, ename, dept, DOJ, post, salary)
Teachings (sid, class, paperid, fsession, tsession)
Subjects (paperid, subject, paperno, papername)
Write SQL statements for the following – Create the above tables with the given specifications and constraints. Insert about 10 rows as are appropriate to solve the following queries. List the names of the teachers teaching computer subjects.
List the names and cities of all staff working in your college.
List the names and cities of all staff working in your college who earn more than 15.000 2. Using the following database,
Colleges (cname, city, address, phone, afdate)
Staffs (sid, sname, saddress, contacts)
StaffJoins (sid, cname, dept, DOJ, post, salary)
Teachings (sid, class, paperid, fsession, fsession)
Subjects (paperid, subject, paperno, papername)
Write SQL statements for the following a. Find the staffs whose names start with 'M' or 'R' and ends with 'A' and/or 7 character Find the staffs whose date of joining is 2005.

Modify the database so that staff N1 now works in C2 College.

List the names of subjects, which T1 teaches in this session or all sessions. Find the classes that T1 do not teach at present session. 3. Using the following database, Colleges (<u>cmame</u>, city, address, phone, afdate) Staffs (<u>sid</u>, sname, saddress, contacts) Stafforins (sid, cname, dept, DOJ, post, salary) Teachings (sid, class, paperid, fsession, tsession) Subjects (paperid, subject, paperno, papername)

Write SQL statements for the following –

a. Find the colleges who have most number of staffs.

b. Find the staffs that earn a higher salary who earn greater than average salary of their college. Find the colleges whose average salary is more than average salary of C2 Find the college that has the smallest payroll. Find the colleges where the total salary is greater than the average salary of all colleges Using the following database, Colleges (cname, city, address, phone, afdate) Staffs (sid. sname, saddress, contacts) Staffs (sid, sname, saddress, contacts)
Staffloins (sid, cname, dept, DOI, post, salary)
Teachings (sid, class, paperid, fsession, tsession)
Subjects (pagerid, subject, paperno, papername)
Write SQL statements for the following –
a. List maximum, average, minimum salary of each college
b. List the names of the teachers, departments teaching in more than one department.
c. Acquire details of staffs by name in a college or each college.
d. Find the names of staff that earn more than each staff of C2 College.

Since It projected as 10% rise in select unless their select the comes creater than 20. Give all principals a 10% rise in salary unless their salary becomes greater than 20,000 in such case give 5% rise. b Ø ...

# 5. Using the following database, Using the following database, Colleges (cname, city, address, phone, afdate) Staffs (sig. sname, sadress, contacts) Staffsoins (sid. cname, dept, DOJ, post, salary) Teachings (sid. chass, paperid, f. session, tsession) Subjects (paperid, subject, paperno, papername) Write SQL statements for the following – a. Find all staff that do not work in same cities as the colleges they work. b. List names of employees in ascending order according to salary who are working in your college or all colleges. c. Create a view having fields sname, cname, dept, DOJ, and post d. Create a view having fields sname, cname, dept, DOJ, and post d. Create a view consisting of cname, average salary and total salary of all staff in that college. e. Select the colleges having highest and lowest average salary using above views. Liste a the following database. 6. Using the following database, Using the following database, Enrollment (enrollno, name, gender, DOB, address, phone) Admission (admno, enrollno, course, yearsem, date, ename) Colleges (cname, city, address, phone, afdate) FeeStructure (course, yearsem, fee) Payment (billno, admno, amount, pdate, purpose) Write SQL statements for the following – a. Create the above tables with the given specifications and constraints. b. Insert about 10 rows as are appropriate to solve the following queries. c. Get full detail of all students who took admission in big ear class wise. Get detail of students who took admission in Poliai colleges Get detail of students who took admission in Bhilai colleges. Calculate the total amount of fees collected in this session i) By your college ii) by each college iii) by all colleges 7. Using the following database, Enrollment (enrollno, name, gender, DOB, address, phone) Admission (admino, enrollno, course, yearsem, date, cname) Colleges (cname, city, address, phone, afdate) Colleges (cname, city, address, phone, atdate) FeeStructure (course, vearsem, fee) Payment (billno, admno, amount, pdate, purpose) Write SQL statements for the following – a. List the students who have not payed full fee: b. List the number of admissions in your class in every year. c. List the students with the session who are not in the colleges in the same city as they live in C. List the students in the session who are not in the colleges in the same cary in. d. List the students in colleges in your city and also live in your city. e. Delete all the records of student who live in city Raipur Subjects ( paperid, subject, paper, papername) Test (paperid, date, time, max, min) Score (rollno, paperid, marks, attendence) Students (admno, rollno, class, yearsen) Write SQL statements for the following – a. Create the above tables with the given specifications and constraints. b. Insert about 10 rows as are appropriate to solve the following queries. c. List the students who were present in a paper of a subject. d. List all roll numbers who have passed in first division. e. List all students in BCA-II who have scored higher than average i) in your college ii) in every college

# P.G. Diploma in Yoga Education and Philosophy

# (Semester System) P.G.Diploma in Yoga Education and Philosophy Syllabus. (Effective from 2016-17 (Exam.2017.) There shall be two theory papers and one Practical (Three parts) in each semester. SEMESTER -I Paper -1 Theoritical Yoga Vijnan Introductio to Yoga : The concept,meaning ,definition and tradition of Yoga, Guru-Shishya ( types and meaning ) Unit-II: Basic texts of Yoga -- Yoga Sutra(Samadhi and Sadhana Padas), Hathyoga Pradipika. Unit-III: Kinds of yoga: Bhakti yoga ,Karma yoga, Mantra yoga and Unit-IV: Study of Ida, Pingala, Sushumna, Seven Chakras, Five Koshas, and Five Pranas. Contemporary Yogis -- Shri Aurobindo, Satyananda and Shivananda. per -2. Applied Yoga Vijnan. M.M. 50. It-I: Meaning ,definition and importance of Yoga and Health in life. Theories of Health, Various exercises benefits of Yoga- asanas and their values vis-a-vis other Unit -2 : Practice of Yoga - Preparation . Food , Dress, Sequence , Climatic Changes daily routine Vratas for health, positive and negative factors. Unit - 3: Life pattern and Yoga -- Effects of yoga upon bodily functions, Role of yoga asanas in modern living. Unit - 4: Physiology- Constitution Nervous system , Respiratory system, Circulatory system and ESndocrine glands Unit- 5: Aspects of Mind (Topograficals and Dynamic ) Id, Ego and Super Ego, Concious , Sub-concious and Un-concious . Yogic concept of mind and mental process. Practicals Practice Teaching (indoor) Asanas Kriyas PranayamasClass arrangement. Meditation Practical(1-6) M.M. 50. 1. Pawan muktasana Part-1.2 &3 2. Asanas :,Relaxation,Pre-meditative,backward and forward bending, Spinal Cord Twisting and balancing, Asanas of Vajrasana group & Standing pose 3. Nadishodhan and Pranayamas : Sheetali Pranayama, Sheetakari Pranayama, Ujjayi Pranayama & Bhramari Pranayama. Mudra: Hastmudra, Manmudra and Kayamudra. 5 Bandha: Moolbandha & Jalandhar Bandha. Practical record M.M. 25 250. Total Marks

# SEMESTER-II. Paper -I Yoga Philosophy. Max.Marks:50 Unit-I The subject matter of Yoga philosophy-Samkhya: Prakriti, Purusha and Cosmology Vedanta: Brahman Soul and Maya. Unit-II Different systems of philosophy Pancha Mahavrata -- Jainism. -- Buddhism -- Shri Aurobindo Ashtang Marg Integral Yoiga -- Shri Aurobindo Unit-III Yoga Sutra: Nature of Chitta, Chitta vrittis and Bhoomis Unit-IV Kinds of Yoga : Hatha Yoga, Kundalini, Jnana,Laya. Unit-V Psychosomatic disorders(meaning and types) their management through Yoga, Aging -- Its problems and management through Yoga. Paper II. Hatha Yoga. Unit-I Introduction to the HathPradipika and Gherand Samhita Unit-II Pranayama--Its meaning methods, kinds, Precaution and benifits. Unit-III Shuddhi kriya--Shatkarma,its method and utility. Unit-IV Bandha and Mudras -methods and benifits. Unit-V Samadhi , Different systems of Meditation. <u>Practicals.</u> Practice Teaching (Indoor) M.M. - 50 Asanas, Kriyas, Pranayamas, Class arrangement & Meditation. Practicals (1-8) M.M.- 50 1. Balancing Asanas 2. Asanas of Higher group. 3. Surya Namaskar. 4. Pranayama : Survabheda Pranayama, Bhastrika Pranayama, Kapalabhati Pranayama & 5. Bandha : Uddiyaan Bandha & Mahaabandha. 6. Mudra: Bandha Mudrayen & Aadhaar Mudrayen. 7. Shatkarma. 8. Dhaayana & Yoganidra. M.M. 25 M.M. 25 Total Marks Semester -II --- 250 Grand Total I & II Sem. ----

# **B.Ed.** Syllabus



# PT. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR (C.G.) B.Ed. SYLLABUS 2019-21

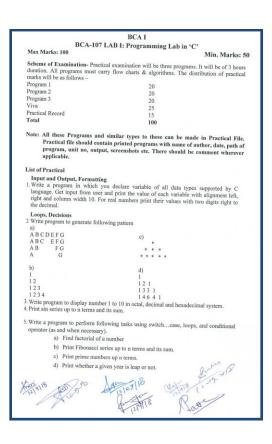
Paper No		PAPER NAME	EXTERNAL	INTERNAL
-	- 7	9		THEORY/PRACTICA
SEN	MESTER I	1		
		THEORY		
Paper I	Philosophical	Perspectives of Education	80	20
Paper 2	Nai Talim: A	n Experiential Learning	80	20
Paper 3	Pedagogy Pa	urt I	80	20
	7 7 7	PRACTICUM		
SEME Paper 4 Paper 5 Paper 6	01. Mini 02. Mini Tran 03. Mini trans 04. Mini teach Community 1. Villa 2. Awa STER II	of Teaching Aids mum 6 charts on school contain mum 5 sets of Transparency to sact school content mum 2 Power Point Presentations to act school content mum one static model to aid school ing content Activities ge Survey reness Rally/Program  THEORY  Perspectives of Education  Learning Process	80 80 80	50 50 20 20 20
Paper 7	Curriculum a	and Knowledge	- 80	20
	Internship (T School a) Obse	PRACTICUM ing on Skills of Teaching 'wo weeks) Experience rvation of School Documents or's Report		50
SEMI	ESTER III			
		THEORY		
Paper 8	Pedagogy Par	rt II	80	20
Paper 9	0.00	kill Based Learning	80	20
•		PRACTICUM		
	Internship (E	ighteen Weeks)		100
	Reflective Diary & Supervisor's Assessment			50
SEMI	ESTER IV			30
		THEORY		
Paper 10	Gender, Scho	ol and Society	80	20
Paper 11	Assessment in		80	20
Paper 12	Elective II	. Semining	80	20
. aper 12	Dicetive II	PRACTICUM	00	20
	Training is V	oga and Sports & Games		50
			#0	50
	Psycho-Metri		50	
	Viva Voce on	Teaching Experience	100	
	- 1	TOTAL	1110	240 + 350 = 590
		GRAND TOTAL	1700	

R. Z. war Carry

SAgnot

# **BCA-I**

BCA-107	Practical based on course 107(Programming Lab in 'C')
BCA-108	Practical based on course 108 (PC Software Lab)
BCA-109	Practical based on course 109(Web Technology Lab)



# Array 6. Create a single program to perform following tasks using switch, if.else, loop and single dimension character array without using library function: a) To reverse the string. b) To count the number of characters in string. c) To coupt the one string to other string: d) To find whether a given string is plandedome or not. f) Functions of voweds, consonants in each word of a sentence and no. of punchation in sentence. 7. Write a program that read the afternoon day temperature for each day of the month and then report the month average temperature as well as the days on which hotiest and coolest days occurred. 8. Create a single program to perform following tasks using switch, if.else, loop and double dimension integer array of size 3.3.: a) Addition of two matrix. b) Multiplication of two matrix. c) Sum of diagonal elements 9. Create a single program to perform following tasks using switch, if.else, loop and double dimension character array of size 5x40: a) Sorting of string. b) Finding the smallest string. c) Searching the function power (a, b) to calculate the value of a raised to b. 11. Write program using the function power (a, b) to calculate the value of a raised to b. 11. Write program to demonstrate difference between stafe and anto variable. 12. Write program to demonstrate difference between stafe and anto variable. 13. Write a program to perform following tasks using switch...case, loops and function. a) Find factorial of a number b) Print Fibonacci series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Print natural series up to n terms and its sum. c) Prin

BCA-108 LAB II: PC Software Lab

Max Marks: 100

Min Marks: 50

Scheme of Examination:

cal examination will be of 3 hours duration. The distribution of practical marks will be as follows:

Program 1 Program 2 Program 2 Program3 Program4 Viva Practical Record Total

Note: All these Programs and similar types to these can be made in Practical File.

Practical file should contain printed programs with name of author, date, path of program, unit no, output, screenshots etc. There should be comment wherever

#### MS-WORD

Q1. Open a document. Type the following text and perform the tasks as instructed below: Working with Word Processor...

As already mentioned, a word processor is a package that processes textual matter and creates organized and flawless documents. In addition to it a word processor not only remote all the limitation of typewriter but also offers various useful features that cannot be even dreamt of with typewriter.

Also if same textual matter is to be reproduced with minor changes, retyping the only option in typewriters.

The word processing (and word processor) originated way back in 1964 when special typewriters. Magnetic tape Selectric typewrites (MIST) were launched by IBM (International Business Machines).

(i).Insert the following text after the first paragraph:

"The main components of a word processing system are listed below":

Computer

Printer

A word processing software

- (ii). Save the document as Word.doc?
  (iii). Move the second paragraph to the end of the document by using drag and drop?
  (iv). Move the second paragraph to the end of the document using cut, paste operation?

(vi). Redo the above action?

(vi). Redo the above action?

(vi). Redo the above action?

(vii). Go to end of the document (in one step)?

(viii). Go to beginning of the document (in one step)?

(ix). Insert page break before the paragraph?

- (x). Search the word "Computer" in your document with options 'Match Case', find whole
- (xi). Replace the word "Typewriter" with word "Processor" in your document?
- (xii). Undo the above action?
- (xii). Undo the above action?

  (xiii). Remove all page breaks from your document?

  (xiv). Change the magnification of your document to different percentage using zoom?

  (xv). Write the above written paragraphs and give the options as follows:
  Assignment Justified

  Indentation: Left 0.2

  Right 0.2

  Spacing: before 6 pt. and after 6 pt.

  Special: First line by 0.4\*

  - Special : First line by 0.4<sup>st</sup> → Line spacing 1.5 lines
- (xvi). Set the default tab stop to 0.3"?
- (xvii). Set the margins to 1.25?
- (xviii). Format the page using?

  1. Left margin:0.5, right margin:0.5

  2. Top margin:1.5, bottom margin:0.5
- 3. Gutter margin: 
   indentation: left 0.2, right: 0.2
- 4. Header margin: 0.5.

(xix). Format the each occurrence of group of words "Word Processor" as bold, italic, underline and small caps using find and replace with formatting options? (xx). Align the heading to center and make it bold, underlined and italicized.

Q2: Type the text as shown below and perform the tasks as directed:

Computer is an electronic device that processes and gives meaningful information.

Computers are being used in almost all the fields today

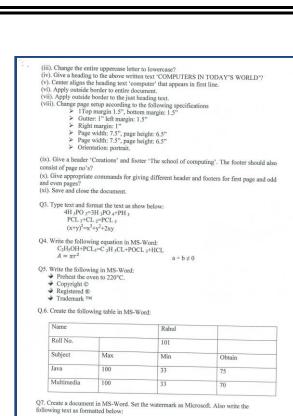
Expert systems:
Human thinking and artificial intelligence

AI at work today: Natural Language program and Expert system.

The impact of computers on people: The positive impact The potential dangers

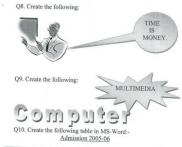
The impact of computers on organizations
The information processing industry
The positive impact on using organizations
The potential dangers for using organizations

(i). Search for the word 'computer' in the entire document. All the occurrences of the given word are to be searched irrespective of the case?
(ii). In the above question note that word also searches 'computerization' and 'computerizations'. Now make sure that this time Word searches only for the word 'computer in the entire document.



Measuring programming progress by lines of codes is like measuring aircraft building progress by weight.

Am 12/03/18



Course	OC	BC	MBC	SC/ST	TOTAL
Computer science	9	18	5	5	37
Commerce	14	25	6	5	50
Mathematics	12	20	4	3	40

Q11. Create table as shown:

X119118

	Price	
Maruti	Omni Van	200000
watuu	Maruti 800	242000
Tata	Sumo	390000
I ata	Sierra	447000

Q12. Insert the following in MS-Word.





Q13. Insert the following in MS-Word.









- Q14. Write the following in MS-Word.

  This is sentence case.

  this is lowercase.

  This IS UPERCASE.

  This IS UPERCASE.

  This IS Capitalize Each Word.

  This IS Toggle cASE.
- Q15. Create the following in MS-Word:

   Actors

  > Bruce Willis

  > Gerard Butler

  > Vin Diesel

  - Vin Diesel
    Actress
    Julia Roberts
    Angelina Jolie
    Kate Winslet
    Cameron Diaz
- Q16. Write the following in MS-Word: Cricket Players A. Batsman

Sachin Tendulkar Rahul Dravid Virendra Sehwag II. III.

B. Bowler

Kumble Zeheer Khan Balaji

Harbhajan Kumble Kartik

- Q17. Write a letter to send invitation to your friend inviting on your birthday.
- Q18. Create label for your friends address.

### MS-Excel

1.Create the following worksheet and save the worksheet as wages.xls
PACE COMPUTERS (ATC CEDT), Govt, Of India
Payroll For Employee (Temporary)



Today's date 2-Mar-17 Pay Rate 900

Worker's Name	Hired On	days Worked	Gross Wages
Mahendra	3-Feb-17		- ugo
Anand	4-Feb-17		
Ashish	5-Feb-17		
Santosh	6-Feb-17		

(I) Calculate Days worked and gross wages.

2.Create the following worksheet and save the worksheet as wages.xls

Basic (monthly) (Rs.)	HRA (% of Basic)	DA (Rs.)	Total Salary (2016)	Bonus (Rs.)	Total (Salary)	% Increase
9300	20	1250	(2010)	2200	(2017)	
15600						
18500	19					
	(monthly) (Rs.) 9300 15600	(monthly) of Basic) (Rs.) 9300 20 15600 22	(monthly) of Basic) (Rs.) (Rs.) 9300 20 1250 15600 22 1380	(monthly)         of Basic)         (Rs.)         Salary           (Rs.)         20         1250           15600         22         1380	(monthly)         of Basic)         (Rs.)         Salary         (Rs.)         (Rs.)         (Rs.)         Salary         (Rs.)         (Rs.)         (Rs.)         200         1250         2300         200         1250         2300         200         1250         2300         200         1250         2300         200         1250         2300         200         1250         2300         200         1250         2300         200	(monthly)         of Basic)         (Rs.)         Salary         (Rs.)         (Salary)         (Rs.)         (Salary)         (Rs.)         (2016)         (2017)           9300         20         1250         2300         2017)           15600         22         1380         2700

- (i) To calculate the total salary as sum of Basic salary, HRA, DA for each employee for year 2017.
   (ii) Calculate total salary for year 2017 as sum of salary of 2016 and bonus.
   (iii) Calculate % increase in salary from 2016 to 2017.

3.Create a worksheet as follows:

Pace Computer (ATC CEDT) Govt. Of India
Payroll for Employee (Person et al.)

	rayron	tor Employee	(Permane	nt)	
empcode	name	doj	salary	bonus	net salary
E001	Ayushi	3-Feb-16	17000	COMMO	Sulary
E002	Sanjeet	4-Mar-15	19000		
E003	Jayant	3-Jan-17	18000		
E004	Aishwarva	6-Mar-15	17500		

4. Create the worksheet as follows:

Parul	-	Maths	Total		
	95	99		Average	Division
Prasad				-	
eelkanth	70				
		eelkanth 70	Prasad 92 95	Prasad 92 95 eelkanth 70 69	Prasad 92 95 eelkanth 70 69

- Class Average
  (i) Find total of two subjects for each student.
  (ii) Find average of two subject for each student.
  (iii) Find average of average column
  (iv) Find division of student as first, second, third assume percentage of division of your own and maximum marks in each subject as 100
  (v) Apply Conditional formatting for division column, first division should be in bold, second division should be in italic and third division should be in underline
- 5. Create macro in excels to make selected cell, bold italic, outside bordered and center across select.

Parter 8 94 116 Juste 6. Create bar chart with given data

Content	2015	2016	2017
tea	19	23	25
coffee	22	24	22
sugar	45	40	45

(i) Provide heading production detail.
(ii) Provide z axis title; lacks metric tonne.
(iii) Provide x axis title year.

7. Create a table with column heading as shown below and using form perform data entry of records.

Department	Employee	Salary
Marketing	Mukesh	10500
Sales	Rahul	20000
Marketing	Suresh	5500
Marketing	Aniu	25000
Sales		8000
Sales		8000
Marketing		7500
Sales	Rajesh	4500
	Marketing Sales Marketing Marketing Sales Sales Marketing	Marketing Mukesh Sales Rahul Marketing Suresh Marketing Anju Sales Neeraj Sales Ajay Marketing Mahesh

(i) Sort the data according to Zone then by Department.
(ii) Use Group and Outline feature to show & hide details.

8. Create a table with column heading as shown below and using form perform data entry of records.

1	ZOHE	Department	Employee	Salary
L	West	Marketing	Mukesh	10500
L	East	Sales	Rahul	20000
L	South	Marketing	Suresh	5500
	North	Marketing	Anju	25000
	South	Sales	Neerai	8000
	North	Sales	Ajay	8000
	South	Marketing	Mahesh	7500
Г	West	Sales	Raiesh	4500

west Sales Rajesh 4500 |
(i) Use filter command to show records having zone: West.
(ii) Use filter command to show records having zone: West and salary less than 5000.
(iii) Use filter command to show records having salary greater than 10000.

9. Create Pivot table using Data of exercise 8.

10. Suppose a database exists in ms- access Your are required to import the data . How will You?

11. Create a table using table feature

Rate Time		1500 4%	
300	3	4	5
1%	45	60	75
2%	90	120	150
3%	135	180	225

12. Using goal seek feature find out the interest rate it must be to earn interest 500 Principle 1500
Rate 4%
Time 5

Q.13 Look at the following table where angle is given in degrees. Using various trigonometric functions available in excel, write steps to calculate angles in required

Angle (Degrees)	Angle (Radians)	Sin	Cos	Tan	Cosec	Sec	Cot
0					8100000	10000	-
30							
45							
60							
90							

Q.14 Using Floor and Ceiling functions write steps to calculate
(a). nearest greatest height which is less than or equal to the given height
(b). nearest least height which is greater than or equal to diver height

Height	Nearest Greatest age less than or equal to given height	Nearest least age greater than
15.6	The se given neight	or equal to given neight
30.7		
-34.2		

Q.15 if age is given in months, break it in year and moths separately (as shown in example

elow). AGE	A	ge
(In Months)	Year	Month
25	2	1
35		1
45		

Q.16 if you have cards of 3 different colors. In how many different ways you can arrange those cards. Which formula will you prefer to do so?

# MS-POWERPOINT

- Q1. Create a PPT of At least 10 slides with one slide for comparison, one slide displaying a chart with the table.

  Q2. Create a PPT presentation use rehearse timing for the slide show.

  Q3. Create a PPT presentation slide import sound and video clips.

  Q4. Create PPT presentation with hyper linking.

  Q5. Create PPT presentation and apply themes and transition.

# MS-ACCESS

Create Following Tables in Access
 a). tblProducts
 Field Name

King 114 Pranton Balton

18	200	12/09/80	Lines	119 118 1219118 1219118		
	me: Nage	er following 2 Recor ndra Dewangan	ds.	O is male		
Create a sing	le combir	ned Data entry scree	n for Sa	les & SalesDetail table using master		
Mahendra Soni		9827123657				
Nagendra Dewa	ngan	9827123456				
CustomerName		ContactNo				
Data for tblC		20	450	500		
16 GB HP Pen I		20				
TB Toshiba H	DD	10	3600			
ProductName		QuantityOnHand	Cost	SalesPrice		
Create Data corresponding     Data for tbII	entry Scr ng table.	ng tables. een for products and	custon	ner table and enter below data in		
2. Set Relation	shin amo	na tablas				
Primary Key Sa		uctId		_		
SalesPrice	Data typ Single	e-Number Field Siz	re-			
Quantity	Integer	e-Number Field Siz				
ProductId	Integer	e-Number Field Siz				
SalesId	Integer	e-Number Field Si:				
SalesDetailID	AutoNu					
Field Name	Data Ty					
d). tblSalesDeta	ail					
Primary Key -	Customer	IdInvoiceNumber	Dat	V		
InvoiceDate			Dat			
InvoiceNumbe	r		Tex	t Field Size (10)		
CustomerId				a type-Number Field Size-Integer		
SalesID				a Type oNumber		
Field Name			Dat	а Туре		
c). tblSales						
Primary Key -	Customer	rID	, 100	- A ANNE DIEG (10)		
ContactNo			Ter	t Field Size (40)		
CustomerNam	ie			ct Field Size (40)		
CustomerID			An	toNumber		
b), tblCustome Field Name	er		Da	ta Type		
		U				
Primary Key -	Productl	D	Da	ta type-Number Field Size-Single		
SalesPrice			Da	ta type-Number Field Size-Single		
QuantityOnHa Cost	and		Da	ta type-Number Field Size-Integer		
ProductName			Te	Text Field Size (50)		
			AutoNumber			
ProductID						



CustomerName: Mahendra Soni Invoice Number: Sal/19/2 Invoice Date: 3-Mar-2017

ProductName	Quantity	SalesPrice	
1 TB Toshiba HDD	4	3800	
16 GB HP Pen Drive	2	500	_

- Create Sales Bill Report.
   Validate data in tables as well as in data entry screen.

# Flash

- 1. Create a Flash movie to create mask.
- 2. Create a Flash movie to create Fade In/Fade Out in four pictures.
- 3. Create a Flash movie to create the symbol of a wheel and scale and rotate it.
- 4. Create a flash movie to create growing circles.
- 5. Create hand writing in Flash.
- 6. Create a Flash movie of a moving car with rotating wheels.
- 7. Transform a circle into a square using shape tween.
- $8.\ Create\ a\ Flash\ movie\ to\ import\ text\ from\ MS-Word\ and\ apply\ different\ transformations.$
- 9. Create a Flash movie to demonstrate onion skin markers.
- 10. Create a Flash movie to demonstrate motion guide.

# BCA-I

# BCA I BCA-109 LAB III: Web Technology Lab

Practical List

Scheme of Examination- Practical consumnation will be of three programs. It will be of 3 hours duration. The distribution of practical marks will be as follows – Program 1 (HTML) 15 Program 3 (JavaScript) 15 Program 3 (JavaScript) 15 Program 4 (PHP) 15 Viva 15 Program 6 (PHP) 15 Viva 15 Program 6 (PHP) 15 Viva 16 Practical Program 7 (PHP) 15 Viva 17 Practical Program 8 (PHP) 15 Viva 17 Practical Program 8 (PHP) 15 Viva 17 Practical Program 8 (PHP) 15 Viva 18 Practical Program 9 (PHP) 18 Practical Progr 15 15 15 15 25 15 100 Practical Record Total

Note: All these Programs and similar types to these can be made in Practical File.

Practical file should contain printed programs with name of author, date, path of program, unit no, output, screenshots etc. There should be comment wherever applicable.

- 1. Creating Email account.

- 1. Creating Email account.
  2. Configuring Web server for Local Computer.
  3. Working with various search engines (Google, Yahoo, Bing, etc.)
  4. Browsing up various websites (e.g. Railway Reservation, Airline Reservation, Cinema Ticket Booking, Bill payments etc.)
  5. Online payment procedure (any one).

6: Write an HTML program to create the following table:

_	Class	Subject1	Subject2	Subject3
	BCA I	Visual Basic	PC Software	Electronics
	BCA II	C++	DBMS	English
	BCA III	Java	Multimedia	CSA

- 7. Write an HTML program to create the following lists:

  - C
    C++
    FORTRAN
    COBOL
- Write an HTML program to create the following lists:
   1. Java
   2. Visual Basic
   3. BASIC

  - 4. COBOL

Write an HTML program to demonstrate hyperlinking between two web pages.

Create a marquee and also insert an image in the page.







- Create a Web Page which contains information about your favourite freedom fighters.
   Design the page with attractive background colour, text colour, image etc.
   Write an HTML document to print your bio-data in a table format.
   Write an HTML program to create the following table:

		Car Price	e List		
Ma	ruti	T	ata	Fo	rd
Model	Price	Model	Price	Model	Price
Maruti 800	2 Lac	Sumo	2 Lac	Ikon	5 Lac
Omni	3 Lac	Scorpio	3 Lac	Gen	2 Lac

13. Write an HTML program to create the following table:

# Students Records

Name	Subject	Marks
Arun	Java	70
	C	80
Ashish	Java	75
	C	69

- 14. Create an HTML document and embed a flash movie in it.
  15. With the Frameset Tag and Frame Tag Create the following Document:

Physics.html	Welcome.html	Maths.html	
Chemistry.html		Computer.html	
Biology.html	Heading.html	Computermum	
Zoology.html		Acount.html	

16. Write an HTML program to create a web page with an image as background and the

Write an HTML program to create a web page with an image as background and the following text:

New Delhi
 New Delhi, the capital and the third largest city of India is a fusion of the ancient and the modern. The refrains of the Muslim dynasties with its architectural delights, give the majestic ambience of the bygone era.

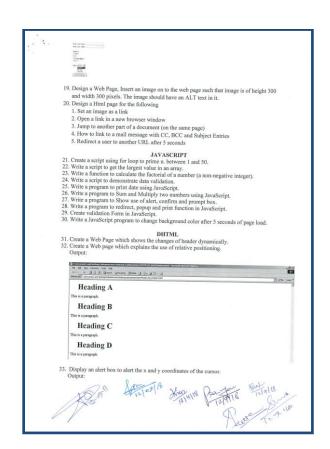
On the other side New Delhi, the imperial city built by British, reflect the fast paced present. The most fascinating of all is the character of Delhi which varies from the 13th present century mausoleum of the Lodi kings to ultra modern glass skyscraners.

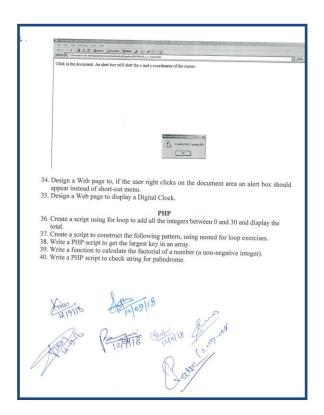
17. Create the following HTML form.



18. Create the following HTML form.

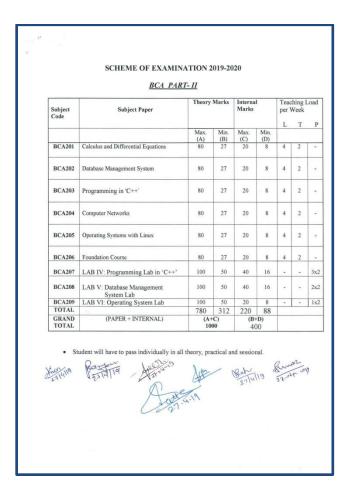






# **BCA-II**

BCA-207	Programming Lab in 'C++'
BCA-208	Database Management System Lab
BCA-209	Operating System Lab



# PRACTICAL WORK BCA-205(B) Shell Programming in Linux/Unix

# Scheme of Examination:-Practical examination will be of 3 hours duration. The distribution of practical marks will be as follows Programme 1 10 Programme 2 10 Viva 15 [ Practical Copy Internal Record ] 15 Total 50 In every program there should be comment for each coded line or block of code Practical file should contain printed programs with name of author, date, path of program, unit no. and printed output. All the following programs or a similar type of programs should be prepared List of Practical Change your shell environment - path, home, ifs, mail, ps1, ps2, term, logname i) at commandline at shell level iii) at login level Change the wallpaper, screensaver in GNOME, KDE Install Linux with following specifications – usename, password, partitions for various directories such as /etc, /home, etc Add a user and password, change the password Add & remove a group 6. Create partitions on your disk. Install and configure (i) printer

1 I TO the lass mine I...
Create macro
1 to pastey your name at any position in the file.
1 to pastey your name at any position in the file.
1 to map the 1"function key to search for "loop" and copy into the buffer 'a' all text following it up to but not including the string "end".
1 to remove all leading spaces in a file
2 to save and quit vi editor in input mode i. List all files that match a class List all files that match a class.
List all files that match a class.
Change the file permissions
Configure or set characteristics of your terminal. Describe any 3.
Display the lines in a file that contain a particular word.
Append the contents of two files in a file ABC.
Count the number of files in a directory. Write shell programs

i. Display all the users currently logged in detail with column headers.

ii. Display all the users currently logged in detail with column headers.

iii. List all flies in current directory and save the list in a file ABC. Also save the contents of the files in ABC and display the contents in ABC in sorred order.

iii. Sort the contents of all fle ABC and save it in OABC.

iv. Display all the users currently logged in detail with column headers.

7. To save current date file ABC and save it in OABC.

10. To liptup a number and test whether it is the save, eve or zero.

11. To list only the directories in current path.

12. To input a number and test whether it is +ve, -ve or zero.

13. To print the greatest of three numbers.

14. To print the greatest of three numbers.

15. To print the greatest of three numbers.

16. To display all users currently logged in & also check a particular user every 30 seconds until he logs in.

17. To save current date & time, number of files in the current directory and contents of all the files matching a pattern to a single file NPFL.

18. To display gardicular messages depending on the weekday.

19. To display common messages for following group of days-Monday & Wednesday,

19. To display common messages for following group of days-Monday & Wednesday,

19. To accept a function of the factorial of a number.

29. Characters.

20. Write a Shell Script to find the factorial of a number.

20. Write a Shell Script to greatest of three numbers.

# PRACTICAL WORK BCA-207 DBMS (Oracle, SQL)

Scheme of Examination:
 Practical examination will be of 3 hours duration. The distribution of practical marks will be as follows

Programme I (Oracle)
Programme 2 (Oracle)
Viva (Oracle + project)
Practical Copy +
Practical Sessional]
Project Completeness
Project Report
Project Report
Project Presentation

Total

21 nevery program there abould be comment for each coded line or block of code

3 practical files should contain printed programs with name of author, date, path of program, unit
no, and printed outgut.

4 All the following programs or a similar type of programs should be prepared

Using the following database,
Colleges (cname, city, address, phone, addiane)
Staffor (sid, same, saddress, potne, addiane)
Staffor (sid, same, saddress, contact)
Staffor (sid, same, saddress, contact)
Staffor (sid, cname, dept, DOI, pot, salary)
Teachings (sid, class, paperid, fiession, tession)
Subjects (pagerid, subject, paperino, papername)
SOI, statements for the following
Create the above tables with the given specifications and constraints.
Instert about 10 rows as are appropriate to solve the following queries.
List the names and cities of all staff working in your college.
List the names and cities of all staff working in your college who earn more than 15,000
Find the staffs whose names start with 'M' or 'R' and ends with 'A' and/or 7 characters long.

long.
Find the staffs whose date of joining is 2005.
Modify the database so that staff S1 now works in C2 College.
List the names of subjects, which T1 teaches in this session or all sessions.
Find the classes that T1 do not teach at present session.
Find the classes that T1 do not teach at present session.
Find the classes that T1 do not teach at present session.
Find the classes that T1 do not teach at present session.
Find the classes that T1 do not teach at present session.
Find the classes that T1 do not teach at present session.
Find the classes that T1 do not teach at present session.
Find the colleges who are an higher salary who cam greater than average salary of their college.
Find the college hat has the smallest payroll.
Find the colleges where the total salary is greater than the average salary of all colleges.

colleges.

f. List maximum, average, minimum salary of each college

120118

Rote

List the names of the teachers, departments teaching in more than one department. Acquire details of staffs by name in a college or each college. Find the names of staff that earn more than each staff of C2 College. Give all principals a 10% rise in salary unless their salary becomes greater than 20,000 in such case give 5% rise.

Find all staff that do not work in same cities as the colleges they work. List names of employees in ascending order according to salary who are working in your college or all colleges.

a. Create a view horing fields sname, cname, dept, DOJ, and post b. Create a view consisting of cname, average salary and total salary of all staff in that college.

c. Select the colleges having highest and lowest average salary using above views. d. List the staff names or a department using above views.

Create the following database,
Enrollment (enrollno, name, gender, DOB, address, phone)
Admission (admao, enrollno, course, yearsem, date, ename)
Colleges (ename, city, address, phone, afdate)
FeeStructure (course, yearsem, fee)
Payment (billno, admno, amount, pdate, purpose)
Create the above tables with the given specifications and constraints.
Insert about 10 rows as are appropriate to solve the following queries.
Get full detail of all students who took admission this year class wise
Get detail of students who took admission this year class wise
Get detail of students who took admission this year class wise
Get detail of students who took admission this year class wise
Get that the total amount of fees collected in this session
i) By your college ii) by each college iii) by all colleges
a. List the students who have not payed full fee
i) in your college ii) in all colleges
b. List the number of admissions in your class in every year.
c. List the students in the session who are not in the colleges in the same city as they live in. 2. d. List the students in colleges in your city and also live in your city. Create the following database, Subjects (paperid, subject, paper, papername)
Test (paperid, date, time, max, min)
Score (rollno, paperid, marks, attendence)
Students (adamo, rollno, classe, yearsem)
a. Create the above tables with the given specifications and constraints.
b. Insert about 10 rows as are appropriate to solve the following queries.
c. List the students who were present in a paper of a subject.
d. List all roll numbers who have passed in first division.
e. List all students in BCA-II who have scored higher than average
i) in your college ii) in every college
f. List the highest score, average and minimum score in BCA-II i) in your college ii) in every college Using the following database Colleges (cname, city, address, phone, afdate) Staffs (sid. sname, saddress, contacts) Staffloins (sid. cname, dept, DOI, post, salary) Teachings (sid, class, paperid, fsession, tsession) Subjects (paperid, subject, paperno, papername) 12/1/18 Qual 18 Qual 18 12/9/18 = Write SQL statements for the following —

a. Create the above tables with the given specifications and constraints.

b. Insert about 10 rows as are appropriate to solve the following queries.

c. List the names of the teachers teaching computer subjects.

d. List the names and cities of all staff working in your college.

e. List the names and cities of all staff working in your college who earn more than 15,000 Using the following database
Colleges (<u>ename</u>, city, address, phone, afdate)
Staffs (<u>sid</u>, sname, saddress, contacts)
StaffJoins (<u>sid</u>, cname, dept, DOJ, post, salary)
Teachings (<u>sid</u>, class, paperid, fsession, tsession)
Subjects (<u>paperid</u>, subject, paperno, papername) Find the staffs whose names start with 'M' or 'R' and ends with 'A' and/or 7 characters long.

b. Find the staffs whose date of joining is 2005.

c. Modify the database so that staff N1 now works in C2 college.

d. List the names of subjects which T1 teaches in this session or all sessions. Using the following database
Colleges (cname, city, address, phone, afdate)
Staffs (sid., sname, saddress, contacts)
StaffJoins (sid., cname, dept, DOJ, post, salary)
Teachings (sid. class, paperid, fsession, tsession)
Subjects (paperid, subject, paperno, papername)
Find the classes that T1 do not teach at present session.
Find the staffs who earn a higher salary who earn greater than average salary of their college. college.
Find the colleges whose average salary is more than average salary of C2.
Find the college that has the smallest payroll.
Find the colleges where the total salary is greater than the average salary of all g. List maximum, average, minimum salary of each college Using the following database

Osing ine following antanuse Colleges (ename, city, address, phone, afdate) Staffs (sid., sname, saddress, contacts) Staffloins (sid, cname, dept, DOI, post, salary) Teachings (sid, class, paperid, fsession, tsession Subjects (paperid, subject, paperno, papername) Find the classes that T1 do not teach at present session.

List the names of the teachers, departments teaching in more than one departments. Acquire details of staffs by name in a college or each college.

Find the names of staff who earn more than each staff of C2 college.

Give all principals a 10% rise in salary unless their salary becomes greater than 20,000 in such case give 5% rise.

Find all staff who donot work in same cities as the colleges they work.

List names of employees in ascending order according to salary who are working in your college or all colleges.

Using the following database

Colleges (cname, city, address, phone, afdate)

Sarante)

Arm 1219118 C

StaffJoins (sid, cname, saddress, contacts)
StaffJoins (sid, cname, dept, DOJ, post, salary)
Teachings (sid, class, paperid, fsession, tsession)
Subjects (paperid, subject, paperno, papername) Find the classes that T1 do not teach at present session.
 Create a view having fields sname, canne, dept, DOJ, and post
 Create a view consisting of camee, average salary and total salary of all staff in that
 college.
 Select the colleges having highest and lowest average salary using above views.
 List the staff names of a department using above views. Enrollment (enrollno, name, gender, DOB, address, phone)
Admission (admno, enrollno, course, yearsem, date, cname)
Colleges (gname, city, address, phone, afdate)
FeeSiructure (course, yearsem, fee)
Payment (billio, admno, amount, pdate, purpose)
a. Create the above tables with the given specifications and constraints.
b. Insert about 10 rows as are appropriate to solve the following querie:
c. Get full dealin of all students who took admission this year classwise
d. Get detail of students who took admission in Bhilai colleges.
c. Calculate the total amount of fee sol'dected in this session
j) by your college ii) by each college iii) by all colleges Admission (admino, enrollino, name, gender, DOB, address, phone)

Admission (admino, enrollino, course, yearsem, date, cname)

Colleges (cname, city, address, phone, afdate)
FeeStructure (course, yearsem, fee)
Payment (billino, admino, amount, pdate, purpose)

a. List the students who have not payed full fee

j) in your college ii) in all colleges

b. List the number of admissions in your class in every year.

c. List the students in the session who are not in the colleges in the same city as they live in.

d. List the students in colleges in your city and also live in your city. 10. d. List the students in cotteges in your crity attas also leve to Jones Cry.

Subjects (pagerid, subject, paper, papername)
Test (pagerid, date, time, max, min)
Score (rolling, paperid, marks, attendence)
Students (admin, orlino, class, yearsem)
a. Create the above tables with the given specifications and constraints.
b. Insert about 10 rows as are appropriate to solve the following queries.
c. List the students who were present in a paper of a subject.
d. List all roll numbers who have passed in first daylock.
d. List all students in MCA-II who have scored higher than average
i) in your college ii) in every college
f. List the highest score, average and minimum score in MCA-II
i) in your college: ii) in every college The Project should be done by individual student. Format of the student project report on completion of the project. Cover page as per format
 Certificate of Approval
 Certificate of Project guide/Center Manager
 Was a list of the Center of the January Bassania John

where the resultant of addition of first two matrixes is stored. In similar way create functions for matrix subtraction and multiplication.

Create a single program to perform following tasks without using library functions: a) b) To reverse the string accepted as argument.

To count the number of characters in string passed as argument in form of a) To reverse the string acceptives an argument.
b) To count the number of characters in string passed as argument in form of character array,
c) To copy the one string to other string; passed as arguments in form of source character array and destination character array without using library function.
d) To count no. of vowels, consonants in each word of a sentence passed as argument in form of character array.
Class, Object, Array of object, Object Using Array
7. Create a class Student having data members to store roll number, name of student, name of three subjects, max marks, min marks, obtained marks. Declare an object of class student. Provide facilities to input data in data members and display result of student. Create a class Student having data members to store roll number, name of student, name of three subjects, max marks, min marks, obtained marks. Declare array of object to hold data of 3 students. Provide allities to display result of all students. Provide affective to the student whose roll number is given.

Greate a class Starvap having an array of integers having 5 elements as data member provide following facilities:
a) an array of integers having 5 elements as data member provide following facilities.

Guerch for presence of particular value in array elements.
b) Sort the Courts of the court of the courts of the clients. elements, e) Find largest element

Search for presence of particular value in array element. elements. e) Find largest exertions
Search for presence of particular value in array element.

Static member function

10.
Create a class Simple with static member functions for following tasks:
To find factorial by recursive member function.
b)
To theck whether a no. is prime or not.
c)
Coperate Fibonousci series up to requested terms.

Object as argument to function, function returning object

11. Write program-using class having class name Darray, Darray has pointer to pointer to integer as data member to implement double dimension dynamic array and provide following facilities:
a)
Constructor to input values in array elements.
b)
Input member function to get input in array element
c)
Output member function to get input in array element
c)
Add member function to perform matrix addition using objects.
Subtract member function to perform matrix addition using objects. Multiply member function to perform matrix multiplication using objects

Write program to create class complex having data members to store real and imaginary part. Provide following facilities:
a) Add two complexs no. using objects. b) Subtract two complexes no. using objects.
o) Multiply two complexes no. using objects. d) Divide two complexes no. using objects. 12. C) statingly two compaces no. using objects. d) Divide two complex no. using objects if eind Function

Treate class Polar having data members radius and angle. It contains member functions for taking input in data members and member function for displaying value of data members. Class Polar contains declaration of friend function and which accepts two objects of class Polar are addition. Test the class using main function and objects of class Polar members of the polar polar addition. Test the class using main function and objects of class Polar in contains to create class distance having data members feet and inch. (A single object will store distance in form such as 5 feet 3 inch). It contains member functions for taking input in data members and member function for displaying values of data.

```
members. Class Distance contains declaration of friend function add which accepts two objects of class Distance and returns object of class Distance after addition. Class Distance contains declaration of another friend function Subtract that accepts two objects of class Distance and returns object of class Distance after subtraction. Test the class using main function and objects of class Distance. Write a program to create class Mother having data member to store salary of Mother, create another class Father having data member to store salary of Father. Write a principal friend function, which accepts objects of class Mother, and Father and prints Sum of Salary individual control of the control of the
            Friend Class
                          riend Class

Write a program to create class Mother having data member to store salary of Mother, create another class Father having data member to store salary of Father. Declare class Father be friend class of Mother. Write a member function in Father, which accepts object of class Mother and prints Sunn of Salary of Mother and Father Objects. Create member function in each class to get input in data member and to display the value of data member.
  member.

Static Data Member

17. Create a class Counter having a static data member, which keeps track of no. of objects created of type Counter. One static member function must be created to increase value of static data member as the object is created. One static member function must be created to decrease value of static data member as the object is destroyed. One static member function must be created to display the current value of static data member. Use main function to test the class Counter.

STRUCTURE AND CLASS

18. Define structure student. Structure student has data members for storing name, rollno, name of three subjects and marks. Write member function to store and print data.
      COPY CONSTRUCTOR, CONSTRUCTOR OVERLOADING, THIS POINTER, CONSTRUCTOR WITH
  COPY CONSTRUCTOR, CONSTRUCTOR OVERLOADING, THIS POINTER, CONSTRUCTOR WITH DEFAULT ARGUMENT.

19. Write program to create a class Polar which has data member radius and angle, define overloaded constructor to initialize one object by another existing object keep name of parameter of parameterized constructor same as data members. Test function of the program in main function.

20. Write program to create a class Polar which has data member radius and angle, use constructor with default arguments to avoid constructor overloading and copy constructor to initialize one object by another existing object keep name of parameter of parameterized constructor same as data members. Test functioning of the program in main function
    FUNCTION OVERLOAD, REFERENCE VARIABLE, PARAMETER PASSING BY ADDRESS, STATIC
                                                                                                                   Write a class having name Calculate that uses static overloaded function to
                Write a class having name Calculate that uses static overloaded function to calculate area of circle, area of rectangle and area of triangle.

Write a class ArmySorr that uses static overloaded function to sort an array of integers.

Write a program using class, which uses static overloaded function to swap two integers, two floats methods use reference variable.

Write a program using class, which uses static overloaded function to swap two integers; two floats methods use reference variable.

Write a program using class, which uses static overloaded function to swap two integers; two floats methods use parameter passing by address.
  22.
two integers; two floats methods use parameter passing by address.

STRING, POINTER, AND OPERATOR OVERLOADING

Create class String having pointer to character as data member and provide following Facilities:
                  following Facilities:
                                                                                                                                                                 Constructor for initialization and memory allocation.
Destructor for memory release.
Overloaded operations + to add two string object.
                                                                                                                                                                                                                                                                                                     to and two string object.
```

Overloaded operator = to assign one string object to other string object Overloaded operator = = to compare whether the two string objects are equal or not. Overloaded operator < to compare whether first-string object is less than second-string object. Overloaded operator > to compare whether first-string object is greater than second-string object or not.

Overloaded operator <= to compare whether first string object is greater than second-string object or not.

Noverloaded operator >= to compare whether first string object is less than or equal to second string object or not

Overloaded operator >= to compare whether first string object is greater than or equal to second string object.

i)

not equal to second string object.

Noverloaded operator != to compare whether first string object is not equal to second string object or not.

Noverloaded insertion and extraction operators for input in data members and display out put of data members.

Create a class Matrix having data member double dimension array of floats of size 3x3. Provide following facilities:

Noverloaded extraction operator for data input.

Overloaded operator + for adding two matrix using objects.

Overloaded operator - for subtracting two using matrix objects.

Overloaded operator - for multiplying two using matrix objects.

Overloaded operator - for adding two matrix using objects.

Overloaded operator - for adding two matrix using objects.

Overloaded operator - for adding two matrix using objects.

Overloaded operator - for adding two matrix using objects.

Overloaded operator - for adding two matrix using objects.

Overloaded operator - for adding two matrix objects.

Overloaded operator - for adding two matrix using objects.

Overloaded operator - for adding two matrix using objects.

Overloaded operator - for adding two matrix using objects.

Overloaded operator - for adding two matrix using objects. Overloaded insertion and extraction operators for data input and display. Overloaded constructor for initialization of data members.

Overloaded operator + to add two polar co-ordinates using b) Overloaded operator + to add two potations of temperature in degree Celsius. Provide following facilities:

Overloaded operator + which will increase value of data member by 1 (consider postfix and prefix operator everloading).

Overloaded operator - which will decrease value of data member by 1 (consider postfix and prefix operator overloading).

Overloaded operator - which will decrease value of data member by 1 (consider postfix and prefix operator overloading).

Overloaded insertion and extraction operators for input in data member and display value of data member. member and display value of data member.

OPERATOR OVERLOADING AND DATA TYPE CONVERSION

29. Create a class Polar that contains data member radius and angle. Create another class Cartesian in the same program and provide following facilities:

a) It should be possible to assign object of polar class to object of b) It should be possible to assign object of Cartesian class to object of polar class.

Create a class Fahrenheit that contains a data member to hold temperature in Fahrenheit. Create another class Celsius that contains a data member to hold temperature in Degree Celsius; in the same program and provide following facilities:

a)

It should be possible to assign object of Fahrenheit class to object of polar class. It should be possible to assign object of Celsius class to object of Fahrenheit class 1918 12976 Bd. nots 12 19/18 Parter 12/9/18 1409/18

c) It should be possible to compare objects of class Fahrenheit and Celsius to find out which object contains higher temperature.

YOID POINTER, POINTER AND FOINTER TO GRIECT

The pointer to yold to store address of integer variable then print value of integer variable using pointer to void. Perform the same operation for float variable. Write program to find biggest number among three numbers using pointer and function

33. Write program to inno onggest natures among once interests among personal and function.

34. Write swapping program to demonstrate call by value, call by address and call by reference in a single program.

34. Write program to Create a class Employee having data members to store name of employee, employee (a slary. Provide member function for data input, output. Use Pointer to object to simulate array of object to store information of 3 employees and test the program in function main.

18.LINE FUNCTION.

35. Write a program using inline function to calculate area of circle.

36. Write a program using inline function to find minimum of two functions. The inline function should take two arguments and should return the minimum value.

FUNCTION TEMPLATE and function. FUNCTION TEMPLATE

36. Write a program using function template to sort an array of floats, an array of integers.

37. Write a program using function template to swap two integers, two floats methods use reference variable. TEMPLATE CLASS 37. Write a program using class template to simulate stacks of integer and stacks of float.

38. linked list of floats. Write a program using class template to simulate linked-list of integer and INHERITANCE Create a class account that stores customer name, account number and type of account. From this derive the classes cur\_acct and sav\_acct to make them more specific to their requirements. Include necessary member functions in order to achieve the following tasks: Accept deposit from customer.
Display the balance
Computer and deposit interest.
Permit withdrawal and update the balance.
Check for the minimum balance, impose penalty, necessary and Check for the minimum balance, impose penalty, necessary and update the balance.

Create a class circle with data member radius; provide member function to calculate area. Derive a class sphere from class scircle; provide member function to calculate volume. Derive class cylinder from class sphere with additional data member for height and member function to calculate volume.

Consider an example of declaring the examination result. Design three classes:-student, exam and result. The student class has data members such as that representing name of student. Create the class exam, which contains data members representing name of student. Create the class exam, which contains data members representing name of student. Create the class exam, which contains data members representing name of student. Create the class exam, which contains data class in main function. class in main function.

VIRTUAL AND PURE VIRTUAL FUNCTION

42

Function getdat (pure virtual function) and printarea (not pure virtual function). Derive classes triangle and rectangle from class shape having two data members with two-member function getdata (pure virtual function) and printarea (not pure virtual function). Derive classes triangle and rectangle from class shape and redefine member function printarea in both classes triangle and rectangle and test the functioning of classes using pointer to base class objects and normal objects.

# PRACTICAL WORK BCA-209 - LAB VI: Operating System Lab

Total

100

In every program there should be comment for each coded line or block of code

Practical file should contain printed programs with name of author, date, path of program, unit no. and printed output.

All the following programs or a similar type of programs should be prepared

# List of Practical

Change your shell environment – path, home, ifs, mail, ps1, ps2, term, logname

Change your shell environment – path, home, ifs, mail, ps1, ps2, term, logname
i) at commandline
ii) at shell level
iii) at login level
Change the wallpaper, screensaver in GNOME, KDE
Install Linux with following specifications – usename, password, partitions for various directories such as /dc, /home, etc
Add a user and password, change the password
Add & remove a group
Create partitions on your disk.
Install and configure (i) printer
(ii) scanner

Using vi editor do the following exercises
1. In a file

1. In a file
i) replace the words 'has' with 'has not '.
ii) Locate n<sup>®</sup> character
iii) Sor lines 21 to 40

2. In a file copy/cut and paste following texti Art<sup>®</sup> line, n lines to j<sup>®</sup> line i
ii Yanka few words
iii Cut and paste newords to i<sup>®</sup> position in j<sup>®</sup> line
2. Open two files 'tetfile' and 'newfile' and copy/cut 3 lines from txtfile and paste them in newfile using vi editor.
3. Open 'txtfile' and conv/cut following and copy/cut 3 lines from txtfile and paste them in newfile using vi editor.

using vi editor.

3. Open "stille" and copy/eut following and paste to the 'newfile' i j<sup>a</sup> to the last line in it.

5. Create mace:

6. Create mace:

6. Create mace:

6. To paste your name at any position in the file.

7. The paste your name at any position in the file.

8. The paste your name at any position in the file.

8. The paste your name at any position in the file.

8. The paste your half and the paste you have y

- List all files that do not match a class.
- iii. Change the file permissions
- Configure or set characteristics of your terminal. Describe any 3. iv.
- Display the lines in a file that contain a particular word.
- Append the contents of two files in a file JABC.
- vii. Count the number of files in a directory.

#### Write shell programs

- Display all the users currently logged in detail with column headers.
- ii. List all files in current directory and save the list in a file ABC. Also save the contents of the files in ABC and display the contents in ABC in sorted order. Sort the contents of a file ABC and save it in OABC.
- iii.
- Display all the users currently logged in detail with column headers.
- To save current date & time, number of files & directories in the current directory and contents of all the files to a single file NFL.
- To input a number and test whether it is +ve, -ve or zero. vi.
- To test whether a filename is a regular file or a directory or of other type.
- viii. To list only the directories in current path.
- ix. To print the greatest of three numbers.
- To print 12 terms of Fibonacci series.
- To display all users currently logged in & also check a particular user every 30 seconds xi. until he logs in.
- xii To save current date & time, number of files in the current directory and contents of all the files matching a pattern to a single file NPFL.

  To display particular messages depending on the weekday.
- xiii.
- xiv. To display common messages for following group of days-Monday & Wednesday, Tuesday & Thursday and Friday & Saturday and other day.
- To accept a string from the terminal and echo a suitable message if it doesn't have at least 9 XV. characters.
- xvi. Write a Shell Script to find the factorial of a number.
- xvii. Write a Shell Script to swap two numbers using third variable.
- Write a Shell Script to print prime numbers between 1 to 20. xviii.
- Write a Shell Script to greatest of three numbers. XIX.
- Write a Shell Script to sort the contents of a file XYZ and save it in BCAII
- Write a Shell Script to display mathematical table of any number in the format Ex:-3\*1=3.

# **BCA-III**

BCA-307	Programming Lab in Java
BCA-308	Dot Net Technology Lab
BCA-309	Project

# SCHEME OF EXAMINATION 2020-2021 BCA PART- III

Subject	Subject Paper	Theory	Theory Marks		Internal Marks		Teaching Load per Week	
Code	Subject Laper	Max. (A)	Min. (B)	Max. (C)	Min, (D)	L	Т	P
BCA301	Statistical Analysis	80	27	20	8	4	2	-
BCA302	Programming in Java	80	27	20	8	4	2	-
BCA303	Dot Net Technology	80	27	20	8	4	2	-
BCA304	Software Engineering	80	27	20	8	4	2	-
BCA305	Data Structure	80	27	20	8	4	2	-
BCA306	Computer System Architecture	80	27	20	8	4	2	-
BCA307	LAB VII: Programming Lab in Java	100	50	40	16	-	-	3x2
BCA308	LAB VIII: Dot Net Technology Lab	100	50	40	16	-	-	2x2
BCA309	Project	100	50	20	8	-	-	1x2
TOTAL		780	312	220	88			
GRAND TOTAL	(PAPER + INTERNAL)	(A+ 10		(B+				

Student will have to pass individually in all theory, practical and sessional

Just 1

Free Or

JAP B

# PRACTICAL WORK BCA-307 Programming Lab in Java 1. Scheme of Examination:- Practical examination will be of 3 hours duration. The distribution of practical marks will be as follows: Programme 1 -20 Programme 2 -20 Programme 3 -20 Viva -20 Practical Copy + Internal Record -20 Total -100 2. In every program there should be comment for each coded line or block of code 3. Practical file should contain printed programs with name of author, date, path of program, unit no. and printed output. 4. All the following programs or a similar type of programs should be prepared List of Practical 1. WAP that implements the Concept of Encapsulation. 2. WAP to demonstrate concept of function overloading of Polymorphism. 3. WAP to demonstrate concept of construction overloading of Polymorphism. 4. WAP the use boolean data type and print the Prime number Series up to 50. 5. WAP to print first 10 number of the following Series using Do-While Loops 0, 1, 1, 2, 3, 5, 6. WAP to check the given number is Armstrong or not. 7. WAP to find the factorial of any given number 8. WAP to sort the element of One Dimensional Array in Ascending order. WAP for matrix multiplication using input/output Stream. 10. WAP for matrix addition using input/output stream class. 11. WAP for matrix transposes using input/output stream class. 12. WAP to add the elements of Vector as arguments of main method (Run time) and rearrange them, and copy it into an Array 13. WAP to check that the given String is palindrome or not. 14. WAP to arrange the String in alphabetical order. 15. WAP for StringBuffer class which perform the all methods of that class. 16. WAP to calculate Simple Interest using the Wrapper Class. 17. WAP to calculate Area of various geometrical figures using the abstract class. 18. WAP where Single class implements more than one interfaces and with help of interface reference variable user call the methods. 19. WAP that use the multiple catch statements within the try-catch mechanism. 20. WAP where user will create a self-Exception using the "throw" keyword. 21. WAP for multithread using the isAlive(), join() and synchronized() methods of Thread WAP to create a package using command and one package will import another package. 23. WAP for JDBC to insert the values into the existing table by using prepared Statement. 24. WAP for JDBC to display the records from the existing table. 25. WAP for demonstration of switch statement, continue and break. BCA308- LAB VII; Dot Net Technology Lai 1. Scheme of Examination :-Practical Examination will be of 3 hours duration. The distribution of practical marks is as follows: Program1 [Practical Record + Internal Record] List of Practical Write a program to find maximum between three numbers. Write a program to check whether a number is negative, positive or zero. Write a program to check whether a year is leap year or not. Write a program to find all roots of a quadratic equation Design an application to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following: Percentage >= 50%: Grade B Percentage >= 50%: Grade B Percentage >= 60%: Grade C Percentage >= 60%: Grade C Percentage >= 60%: Grade E Percentage >= 40%: Grade E

7. Design an application to input basic salary of an employee and calculate its Gross salary according to following:

ng: Basic Salary <= 10000 : HRA = 20%, DA = 80% Basic Salary <= 20000 : HRA = 25%, DA = 90% Basic Salary > 20000 : HRA = 30%, DA = 95%

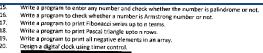
Design an application to input electricity unit charges and calculate total electricity bill according to

For first 50 units Rs. 0.50/unit

For first 50 units Rs. 0.50/unit
For next 100 units Rs. 0.25/unit
For next 100 units Rs. 1.20/unit
For unit above 250 Rs. 1.50/unit
For unit above 250 Rs. 1.50/unit
August 100 units Rs. 1.20/unit
9. Write a program to convert decimal to binary number system using bitwise operator.
10. Write a program to swap two numbers using bitwise operator.
11. Write a program to create Simple Calculator using select case.
12. Write a program to find sum of all natural numbers between 1 to n
13. Write a program to find first and last digit of any number
14. Write a program to enter any number and print its reverse.











Design an application that accepts the item name from the user and add it to a listbox and



- 22. Create an application that offers various food items to select from check boxes and a mode of payment using radio button. It then display the total amount payable.
- 23. Create an application to implement the working of Context menu on textbox.
- 24. WAP to illustrate all functionalities of listbox and combobox
- 25. WAP using checknoxes for the following font effects.

Underline

Increase Font size Decrease Font size Font Color

- 25. WAP for temperature conversion using radiobutton.
- 26. WAP to launch a rocket using Picturebox and Timer control.
- 27. WAP to change the back color of any control using scrollbox

Great Jan Grand

29. Design a menu such that it contain submenu such as Addition, Subtraction, Scalar Multiplication, 29. Design a menu such that it contain submenu such as Addition, Subtraction, Scal Multiplication, Transpose of two metrics.
30. WAP to find greatest among three given number using user define procedures.
31. WAP to calculate factorial of a number using user define procedure.
32. WAP to check whether given number is neon or not using user define function.
33. WAP to check whether a given number is Niven or not using procedure.
34. WAP to check whether a given number is duck number or not.

- 35. WAP to check whether a given number is spy number or not.
  36. WAP to check whether a given number.
  37. Design the following application using radiobutton and checkbox:



38. Design an application to Create the Payroll form shown below. Number of hours must be entered as well as the appropriate rate.

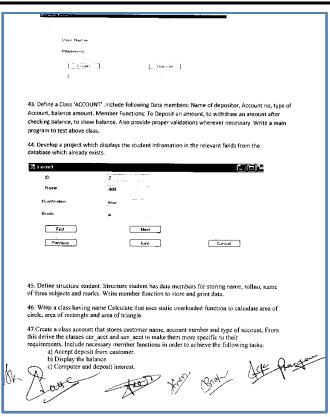
Gross salary = rate \* hours.

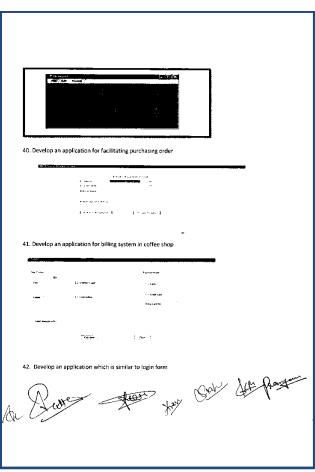
Net salary = gross salary - deductions



39. Develop an application which is similar to notepad using me

The Boy for france





- d) Permit withdrawal and update the balance.
- o) Fermit writing was an update the parameter.
   o) Check for the minimum balance, impose penalty, necessary and update the balance.

  48. Create a class circle with data member radius; provide member function to calculate area.

  Derive a class sphere from class circle; provide member function to calculate volume. Derive class cylinder from class sphere with additional data member for height and member function.

- class cylinder from class sphere with additional data member for height and member functio to calculate volume.

  49. Consider an example of declaring the examination result. Design three classes:- student, exam and result. The student class has data members such as that representing roll number, name of student. Create the class exam, which contains data members representing name of subject, minimum marks, maximum marks, obtained marks for three subjects. Derive class result from both student and exam classes. Test the result class in main function.
- WAP that implements the Concept of Encapsulation.

  WAP to demonstrate concept of Polymorphism (function Overloading and constructor) Overloading).
- 52. Create a class Student having data members to store roll number, name of student, name of
- 52. Create a class Student having data members to store roll number, name of student, name of three subjects, max marks, min marks, obtained marks. Declare an object of class student. Provide facilities to input data in data members and display result of student.
  53. Create a class Student having data members to store roll number, name of student, name of three subjects, max marks, min marks, obtained marks. Declare array of object to hold data. 3 students. Provide facilities to display result of all students. Provide also facilities to display result of all students. Provide also facilities to display result of all students. Provide also facility to display result of specific student whose roll number is given.
  54. Create a class array having an array of integers having 5 elements as data member provide following facilities:
  a) Constructor to eet number in array elements.
- - a) Constructor to get number in array elements.b) Sort the elements.

  - c) Find largest element d) Search for presence of particular value in array element.
- 55. WAP to display records of a table using dataadapter and code for buttons to move at first record, next record, previous record, last record in the table.
- 56. Create a table for employee and write a program using Dataset to add, delete, edit & navigate
- 57. WAP to access a database using ADO.net & display a key column in the combo box or list box when an item is selected in it, its corresponding records is shown in Datagridcontrol.

From But for Grant

- Synopsis of the project

  Main Report

  Objectives & Scope of the project

  Theoretical Background of Project

  Definition of problem

  System Analysis & Design

  System Planning (PERT Chart)

  Methodology adopted, system Implementation & Detail of Hardware & Software used

  System maintenance & Evaluation

  Cost and benefit Analysis

  Detailed Life Cycle of the project

  ERD.DFD

  Input and Output Screen Design

  Process involved

  Methodology used for testing

  Test Report, Printout of the code sheet

  User/Operational Manual- including security aspects, access rights, back up, Controls etc.

  - Soft copy of the project on CD

Formats of various certificates and formatting styles are as:

1. Project report Cover Format:

Project Report

On

Title of the Project Report

(Times New Roman.Italic, Font Size=24)

Submitted in partial fulfillment of the requirements for the award of degree

Bachelor of Computer Application

From

Pt.Ravishankar Shukla University Raipur (C.G.)

(Bookman Old Style, 16 Point, Center)

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Guide		Submitted by:	
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	Submitted to		
	(College Name)	(	
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2. Certificate of Approval by Hea	ad of the Department in I	letter head	
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4. Certificate from the Guide in	letter head		
	CERTIFICATE		
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<ol> <li>Certificate of the Company or Or Project guide.</li> </ol>		the Project is done from t	he Project Manager or
6. Certificate of evaluation in the de	epartment letter head		
CE	ERTIFICATE OF EV	ALUATION	
This is to certify that out by Mr/Ms/Mrs_proper evaluation and exan Computer Science & Info acceptance as a requisite ft the year from Pt. F	nination, is hereby app rmation Technology a or the award of degree	ent of BCA – III year at ( proved as a credible wor and is done in a satisfator of Bachelor of Compute	k in the discipline of actory manner for its er Application during
Internal Examiner		E	xternal Examiner
7. Declaration of Student / Self Ce	ertificate DECLARATI	ON	
This to certify that the	project report entitled		", which is
submitted by me in the partial Application, ( College Name )	fulfillment for the aw , comprises the original	ard of the degree of B I work carried out by me.	achelor of Computer
I further declare that th submitted, either in part or in fi other Institute or University.	e work reported in this ull for the award of any	project has not been sub other degree or diploma	omitted and will not be in this Institute or any
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# Pt. Ravishankar Shukla University Raipur (CG)

Proposed Marking Scheme for BBA Course Academic Session 2015-16 Course Content of BBA

SEMESTER ONE	Internal Marks Sem. E	ram Marks T	otal Marks
101. English	10	90	100
102. Computer Application	10	90	100
103. Business Mathematics	10	90	100
104. Principles of Management	10	90	100
105. Financial Accounting	10	90	100
SEMESTER TWO			
106. Hindi	10	90	100
107. Business Economics	10	90	100
108. Business Statistics	10	90	100
109. Cost Accounting	10	90	100
110. Environmental Studies	10	90	100
SEMESTER THREE			
111 Managerial Economics	10	90	100
112 Business Communication	10	90	100
113 Business Laws	10	90	100
114.Business and Environment	10	90	100
115.Management Information Syst		90	100
	, , , , , , , , , , , , , , , , , , , ,		
SEMESTER FOUR			
116.Organisational Behaviour	10	90	100
117.Marketing Management	10	90	100
118.HRM	10	90	100
119.Financial Management	10	90	100
120.Production Management	10	90	100
121 Comprehensive Viva	10	90	100
SEMESTER FIVE			
122 Marketing Research	10	90	100
123.Quantitative Techniques	10	90	100
124.Sales and Advertisement Mana	gement 10	90	100
125 Investment Management	10	90	100
126.Material Management	10	90	100
SEMESTER SIX			
	10	90	100
127 Business Policy and Strategy	10	30	100
128 Enterprenuership	10	90	100
and Small Business Manageme 129 Business Taxation	ent 10 10	90	100 100
130. Business Ethics and Social Re		90	100
		90	100
<ol> <li>Project Report and Viva –Voc</li> </ol>	• 10	90	100

3

# **Semester-VI**

# Project Report and Viva -Voce (131)

Research report has to be an empirical work. It is to be started from the beginning of the six semester under the guidance of faculties of the college. The topics of the research project is to be finalised with the consultation of the faculty guide. The project will be evaluated both by internal of the college and external which is to be decided by the university.

Marks Allotment for BBA Course:

Out of 10 marks allocated for internal assessment for each paper:

- i. 3 marks are to be assigned for class test
- ii. 3 marks are to be assigned for assignment/seminar presentation
- iii. 4 marks are to be assigned for attendance.
- iv. The marks for attendance shall be as follows:

i.	More than 65% but less than 75%	1 Marks	
ii.	70% or more but less than 75%	2 Marks	
iii.	75% or more but less than 80%	3 Marks	
iv	80% or more but less than 85%	4 Marks	

For BBA VI Semester Project report marks are to be sent in following format:

Form No. C-10

FOIL/COUNTER FOIL

Pt. Ravishankar Shukla University.

RAIPUR - 492010 (C.G.)

				Exam	des nation	in No
 	 	 	_	august)	11100-74	101 -614

Practical Viva-Voce/Destertation Examination in \_\_\_\_\_\_

Cluss\_\_\_\_\_(Subject)\_\_\_\_

Date on which Examination was held

Roll No. | Earolment | Name of | Project | Total Marks allotted |
S.NO | So. | Candidate | Project | Total Marks allotted |
In Figures | In words

H.O.D.

Commerce and Management Dept. St. Vincent Pallotti College, Raipur

# B.P.E 1st Year

	(Theory)				
Paper	Subject	Sessional	Final	Max.	Min.
1 <sup>st</sup>	Foundation Course English Hindi	0.00	*******	75 75	25 25
2 <sup>nd</sup>	Introduction to Physical Education	20	80	100	33
3 <sup>th</sup>	Applied Anatomy	20	80	100	33
4 <sup>th</sup>	Health Education, First AID & Safety Education	20	80	100	33
5 <sup>th</sup>	Sociology	20	80	100	33
6 <sup>th</sup>	Movement Education	20	80	100	33
	Total	100	400	650	-
Part-B	(Practical Skills)				
S. No.	Activities	Sessional	Final	Total	
		-		Marks	
1.	Athletics	20	80	Marks 100	
1.	Athletics Gymnastics	20 20	80	Marks 100 50	
1. 2. 3.	Athletics Gymnastics Football	20 20 20	80	Marks 100	
1. 2. 3.	Athletics Gymnastics Football Basket ball	20 20 20 20 20	80	Marks 100 50	
1. 2. 3. 4.	Athletics Gymnastics Football Basket ball Light Apparatus	20 20 20	80 80 80	Marks 100 50 50	
1. 2. 3. 4.	Athletics Gymnastics Football Basket ball	20 20 20 20 20	80 80 80 80	Marks 100 50 50 50	
5. No. 1. 2. 3. 4.	Athletics Gymnastics Football Basket ball	20 20 20 20 20	80 80 80 80	Marks 100 50 50 50	

# **BPE II Year**

B.P.E.	IInd	year
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Total 400

# Part- A (Theory)

Paper	Subject	Sessional	Final	Max.	Min.
1 <sup>st</sup>	Foundation Course			75	25
	English Hindi			75	25
2 <sup>nd</sup>	Psychology	20	80	100	33
3 <sup>th</sup>	Physiology & Physiology of Exercise	20	80	100	33
4 <sup>th</sup>	Kinesiology	20	80	100	33
5 <sup>th</sup>	Sports Sociology	20	80	100	33
6 <sup>th</sup>	Recreation	20	80	100	33
-	Total	100	400	650	

# Part -B (Practical Skills)

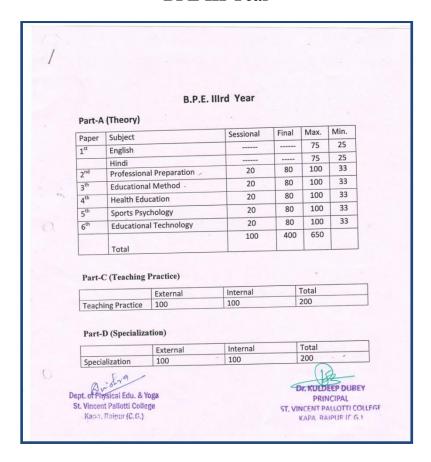
S. No.	Activities	Sessional	Final	Total Marks
1.	Athletics	10	40	50
2.	Cricket	10	40	50
3.	Hockey	10	40	50
4.	Volley ball	10	40	50
5.	Swimming-I Session Yoga-II Session	10	40	50
6.	Kho-Kho	10	40	50
7.	Kabbadi	10	40	50
8.	Teaching Practices	10	40	50
	Total			400

Dept. of Physical Edu. & Yoga St. Vincent Paliotti College Kapa, Raipur (C.G.) PRINCIPAL

ST. VINCENT PALLOTTI COLLEGE

KAPA RAIPUR (C.G.)

# **BPE III Year**



# **BPE IV Year**

