

FACULTY OF SCIENCE

B.Sc. I Year (Practical) Examination

Subject : COMPUTER SCIENCE

Paper – I

PC SOFTWARE AND C

QUESTION BANK

W.E.F. Annual 2009

Time : 3 Hours}

{Max. Marks: 50

Two programs are to be asked in the Examination one in Part A and the other in Part B.

PART – A (MS – OFFICE)

MS-Word :

- (1)(a) Design a visiting card for managing Director of a company with the following specification.
- (i) Size of visiting card is 3.5" x 2"
 - (ii) Name of a company with big font using water mark.
 - (iii) Phone number, Fax number and e-mail address with appropriate symbols.
 - (iv) Office and residence address separated by line
- (b) Create your class time table using Table option.
- (2)(a) Create a letter head of a company with following using Template.
- (i) Name of the company on the top of a page with big font and good style
 - (ii) Phone No. Fax No. . and e-mail address with appropriate symbols.
 - (iii) Slogans if any should be specified in bold at the bottom.
- (b) For given text add picture, add heading using word art and format the picture.
- (3) Write a macro to format a document as below :-
- (i) Line spacing 2
 - (ii) Justification formatting style
 - (iii) Courier new font of 12 pt size
 - (iv) Left and right margins to be 1.5"
- (4) For given text, Apply the following :
- (i) Page number and name of the college one each and every page
 - (ii) Change font size and colour
 - (iii) Add bullets and numbers
 - (iv) Add border to pages
- (5) Use the mail merge option to write letters to your friends for inviting them to attend Annual Day Celebrations of your college.

MS-Excel :

- (6) Create a suitable examination data base and find Total, Avg marks of each student and respective class secured by the students rules :-

Distinction if average ≥ 75
 First class if average ≥ 60 but < 75
 Second class if average ≥ 50 but < 60
 Third class if average ≥ 35 but < 50

Fail if marks in any subject is < 35

- (7) Solve the following using functions :
 (i) concatenate two Texts
 (ii) Length of the text
 (iii) Text in uppercase and lowercase

- (8) Prepare the following worksheet :

Year	Product-1	Product-2	Product-3	Product-4	Prepare
2003	1000	800	900	1000	for graph, line
2004	800	80	500	900	
2005	1200	190	400	800	graph, pie chart
2006	400	200	300	1000	
2007	1800	400	400	1200	and 3D chart

- (9) Create worksheet with the following columns :

Employee code, Name, Age, Department, Salary and give title as

Employee Information and Apply following format.

- (i) Title in Arial font with size 16
 (ii) Remaining text in Times new Roman font with 12
 (iii) Employee code in bold and Italic
 (iv) Employee Name fill with color
 (v) Apply borders to columns
 (vi) Salary with two decimal places
- (10) Create emp worksheet with the following columns.
 Emp No, Name, Basic salary, HRA (20% of Basic), DA(30% of Basic),
 Gross (Basic + HRA + DA), PF (15% basic), NET (Gross-PF).
 Find max & min / Net salaries
 Find employees where names starts with letter 'S'
 Find employees where salary $\geq 10,000$

MS-ACCESS:

(11) Create a database using MS-Access with at least 5 records

Table 1

Register No, Name, DoB, Gender, Class

Table 2

Register No, M1, M2, M3, M4, M5 & Total.

Maintain relationship between two tables with register number as primary key and answer following queries :

- (i) show the list of students with register no, name, gender & total marks.
- (ii) Find student name starts with 'a'
- (iii) Find students where total > 500
- (iv) Find student details where register no. = 301.

(12)(a) Create a table member with following fields :

Member no, member name, address, city, pin code, phone no, create form and enter data into the table through form.

(b) Create student table and form using table and form wizards with your own columns.

13. Create database using MS-Access with at least 5 records

Table 1

Employee code, emp-name, Age, Gender, DoB

Table 2

Emp code, Basic pay

Maintain relationship between two tables with Emp-code and generate following reports.

Report 1

Emp-code, emp-name, Age, gender, Gross-salary

Report 2

Employee code, emp-name, Basic pay, DA, HRA, Gross-Salary

MS-Power Point :

(14) make power point presentation on your strengths, weaknesses, hobbies, factors, that wrote your time.

(15) Create presentation consisting slides with the following inform,

Name of College, Address of College, List of all Courses, Library & Lab facilities and apply transition effects.

(16) Make power point presentation of all the details of the books that you had studied in B.Sc. first year.

(17)(a) Create presentation by importing chart from Excel

(b) Create presentation consisting of an organization chart.

C Programs :

- (1) Program for
 - (i) sum of factors of a number
 - (ii) sum of digits of a number
- (2) Program to check whether given number is
 - (i) prime or not
 - (ii) perfect or not
- (3) Program using recursion for factorial of a given number
- (4) Program Using functions
 - (i) with out parameters
 - (ii) with parameters
- (5) Program for sorting an array
- (6) Program for matrix addition & subtraction
 - (i) Program for reversing digits of a Number
- (7) Program for matrix multiplication
- (8) Program to demonstrate structures
- (9) Program sorting strings using pointers
- (10) Program to create file to store & retrieve strings using fputs() and fgets ().
- (11) Program to count no of words, lines in a text.
- (12) Program to create table of Triangular numbers.
- (13) Program to demonstrate
 - (i) Unions
 - (ii) Enumerate data types
