

F.Y.B.C.A. Sem- 1

Practical Examination of NOV/DEC-2016

Duration: 3 Hours.

Set-3

Total Marks: 100

Q-1 write a C Program to Find the Number of Vowels, Consonants, Digits and White space in a Given String. [30]

Q-2 Write a C Program to Sort the Array in an Ascending Order using bubble sort. [20]

Q-3 Prepare excel sheet/spreadsheet as given below [20]

RollNo	Account	Economics	English	Total	PASS/FAIL	GRADE
1						
2						
3						
4						
5						
No.Of Pass Student						

Enter at least 5 records.

Calculate total, Pass/Fail and grade based on Total using formula.

Conditions: Min passing marks is 40.

Q-4 Create database name "PURCHASE" in access/open office and perform the Following operation on it. [30]

1. Create table **PURCHASE_MASTER**

Field Name	Data Type	Size	Description
PUR_ID	TEXT	5	Primary Key
PUR_NAME	TEXT	50	
PUR_PRICE	NUMBER	10	

2. Create table **PURCHASE_DETAIL**

Field Name	Data Type	Size	Description
PUR_ID	TEXT	5	Foreign key
PUR_PRO_DATE	DATE/TIME	10	
PUR_COST	NUMBER	10	

3. PUR_ID start from P001, P002....and so on.

4. Insert 10 records in each table.

5. Generate REPORT for combining both the table details and give title for that "PRODUCT
DETAIL REPORT".

6. Create Form for Purchase detail table and give title "PURCHASE FORM1".

F.Y B.C.A. Sem- 1
Practical Examination of NOV/DEC-2016
Duration: 3 Hours. Set-4 Total Marks: 100

Q-1 Write a C programs to Design a triangle using for loop. [30]

```

      0
    1 0 1
  2 1 0 1 2
3 2 1 0 1 2 3
4 3 2 1 0 1 2 3 4

```

Q-2 Write a C program to Concatenate Two Strings without using function. [20]

Q-3 Create the following mark sheet in excel/spreadsheet. [20]

RollNo	S_Name	S1	S2	S3	Total
1					
2					
3					
...					
...					

Perform following operations on the given spreadsheet data.

- (1) Enter at least 10 records in the given table.
- (2) Calculate total marks based on given marks.
- (3) Display student name in ascending order.
- (4) Display highest total for the given student.
- (5) Format the above table.(Font: Times New Roman,Size:12,Style:Bold)

Q-4 Consider the following tables in Access/Open Office: [30]

Table Name : EMPLOYEE		
Field Name	Data type	Key
emp_no	Text	Primary Key
emp_name	Text	
emp_salary	Number	

Table Name : PROJECT		
Field Name	Data type	Key
p_no	Text	Primary Key
p_name	Text	

Table Name : WORKS		
Field Name	Data type	Key
p_no	Text	Foreign Key
emp_no	Text	Foreign Key

Design the queries for the following & give its working:

- 1) Insert at least 5 records in all the given tables.
- 2) List the name employee who works on project "database".
- 3) List the employees having salary more than 10,000.
- 4) List the employees working in project number 7(p_no).
- 5) List the employees those who are working on both "MIS" and "VB" project.