Subject- Opt. II (Computer Science) **BOOST UP EXAM 2080**

Class: X Time: 2:00 hrs. F.M: 50

P.M: 20

Attempt all questions.

Group ‘A’

1. Answer the following questions in one sentence.
2. What is e-banking?
3. What is mobile computing?
4. Give any two example of DBMS.
5. Which view of MS Access helps us to modify table?
6. Write down the types of modular programming?
7. Write any two name of data types used in C language.
8. Write appropriate technical terms for the following.
9. Device that connects two dissimilar network.
10. The technology to encode file or message.
11. Write the full form of the following: 2X1=2 

# ISDN b. STP

Group ‘B’

4. Answer the following questions: 9X2=18

1. What is browser? Give any two examples of browser.
2. Define digital footprint? How can you manage your digital footprint?
3. What is software security? Write any two principles of information security.
4. What is E-Commerce? Write any two advantages of e-commerce.
5. What is contemporary technology? Write any two advantages of cloud computing.
6. Differentiate between data and information with example.
7. What is RDBMS? Write any two examples of it.
8. What is key in DBMS? Write any two name of keys available in DBMS.
9. What is query? Write any two ways of creating query.
10. Write down the output of the given program. Show with dry run in table. 2

DECLARE SUB DTB (N)

CLS

N=5126

CALL DTB (N)

END

SUB DTB (N)

WHILE N<>O

R= N MOD 10

S=S +R

N=N\10

WEND

PRINT S;

END SUB

1. Re-write the given program after correcting the bugs:

REM WAP to create file"detail.dat" and insert some records.

CLS

OPEN “detail.dat” for APPEND AS #5

TOP:

INPUT "Enter name, class and address"; n$,cl,a$

INPUT #5,n$,cl,a$

INPUT "Do you want to add more”;C$

IF UCASE$(C$)=”Y”THEN GOTO down

CLOSE #5

END

1. Study the following program and answer the given questions:

DECLARE FUCTION count (N$)

INPUT "Enter a word" ; W$

C=count (W$)

PRINT C

END

FUNCTION count (N$)

FOR I =1 to LEN (N$)

X$=MID$(N$,K,l)

IF UCASE$ (X$) =”A” then

X=X+I

END IF

NEXT K

END FUCTION

1. What are the library functions used in the above Program?
2. Write the use of variable 'C' in line 3 in above Program. [i.e. C=count(W$)]

Group 'B'

1. Convert / calculate as per the instruction 9X2=18
2. (37)10 = ( ?)2
3. (A4D)16= (?)8
4. (10101)2 – (101)2
5. (1111)2 x (101)2
6. Write a program in QBASIC that asks height and radius of cylinder and calculate its volume by user define function and total surface area by sub procedure[vc= πr2h , TSA=2πr(r+h)]
7. A sequential data file called "student.txt" has stored data under the field heading Name, Class, Address and Age. Write a program to display all the information of those students whose class is 10 and gender is “male".
8. Write a program in C language to check the students whether they are pass or fail, when the pass marks is 35, Or

Write a program in C language to display the series with their sum 40, 41, 42,43......up to 10th terms.

THE END