



Duration: 1½ Hours

Date: 28.08.06

Time : 3.30pm to 5.00pm

Answer all Three Questions

Q1.

- i) Describe and distinguish between “arrays” and “packed arrays” in Pascal.
- ii) Write syntaxes of functions and procedures in Pascal. Also explain the differences between them.
- iii) Write a program to read in and display the following information of ten persons
 - Name
 - Address
 - Age
 - Salary

Q2.

- i) What are the outputs of the following programs?

a)

```
#include<stdio.h>
main()
{
    int x = 10, y = 8, p=11, q = 7;
    int a,b,c,d;
    a = x + (++q);
    b = q + (x--);
    c = p + (y++);
    d = y + (--x);
    printf("Answer of = a%d\n",a);
    printf("Answer of = b%d\n",b);
    printf("Answer of = c%d\n",c);
    printf("Answer of = d%f\n",d);
}
```

b)

```
#include<stdio.h>
main()
{
    printf("\n\t\t Subjects\t\t ----- \n\t\t CSU 1180 \n\t\t CSU1179 \n\t\t -----");
}
```

- ii) Identify the syntax errors in the following C program and write the corrected program.

```
#include<stdio.h>
main();
{
    int a;
    printf("Enter a number :"\n);
    scan("%f" a);
    switch(a);
    {
        case one; printf('one');
        case two; printf('two');
        case three; printf('three');
        default; printf('invalid number');
    }
}
```

- iii) Write a program to enter two numbers and calculate the addition, subtraction, multiplication and division of them.

Q3.

- i) Describe *all operators* in C language.
ii) What are the input and output functions in C language.
iii) Convert the following Pascal codes into C language.

a) FOR x := 1 DOWNTO 20 DO
 Writeln(x);

b) IF (x>10) THEN
 Writeln('one')
ELSE
 Writeln('two');

c) CASE number OF
 1:writeln('one');
 2:writeln('two');
 3:writeln('three');
END;

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