



SP-5361

Seat No. \_\_\_\_\_

Diploma in Computer Science Examination

April/May - 2006

Introduction To Computers & 'C' Language

Time : 3 Hours]

[Total Marks : 100

1 (±) çÜ/äù Ñ(ÀÛ ÕĤ 45) 14

- (1) ÀOMĚĚ ĆĚĚ ÀĲĲ ÀĲĲ ĲĲĲ ĲĲĲ? çÜ/äù
- (2) ÀOMĚĚ ĲĲĲ ĲĲĲ ĲĲĲ ĲĲĲ ĲĲĲ? çÜ/äù
- (3) ÝĲĲ ĲĲĲ ĲĲĲ çĲĲ Number System ĲĲĲ ĲĲĲ
- (4) Printers ĲĲĲ ĲĲĲ ĲĲĲ, DMP ĲĲĲ çĲĲ çÜ/äù

(Ú) ÀÛ 45 ĲĲĲ ĲĲĲ ĲĲĲ 4

- (1) çÜ/äù - ATTRIB, DIR
- (2) Internet ĲĲĲ External Dos Commands 4ĲĲ ĲĲĲ ĲĲĲ ĲĲĲ

2 (±) ĲĲĲ ĲĲĲ áÀù Ñ 4

- ANSI - GUI - TB - HDD - 4 GL
- DDRAM - BIOS - VLSI - SVGA - ENIAC

(Ú) ĲĲĲ ĲĲĲ ĲĲĲ 4

- (1) EPROM Chip ĲĲĲ Data ĲĲĲ ĲĲĲ \_\_\_\_\_
- (2) India ĲĲĲ Super computer ĲĲĲ \_\_\_\_\_ ĲĲĲ
- (3) Laser printout ĲĲĲ ĲĲĲ \_\_\_\_\_ ĲĲĲ ĲĲĲ ĲĲĲ
- (4) ÀOMĚĚ ĲĲĲ ĲĲĲ \_\_\_\_\_ ĲĲĲ
- (5) Track ĲĲĲ \_\_\_\_\_ ĲĲĲ ĲĲĲ ĲĲĲ ĲĲĲ ĲĲĲ

(À) ÀÛ 45 ĲĲĲ ĲĲĲ ĲĲĲ 10

- (1) Format Specifier 4ĲĲĲ? ĲĲĲĲ çĲĲ çÜ/äù
- (2) If.....Else if ladder ĲĲĲ Flowchart ĲĲĲ ĲĲĲĲ çĲĲ çÜ/äù
- (3) Increment / Decrement operators 4ĲĲĲ? çÜ/äù
- (4) Strcmp ( ) ĲĲĲ salpha ( ) functions çÜ/äù ĲĲĲ ĲĲĲ ĲĲĲ

3. ÀÛ Õĥē çairĥē ÉääÚ ±ēÕ Ñ̃ 20
- (1) ÐŪ áÀù Ñ̃'C' Üē ±ēÕ
  - (2) 'Static' variables Ðí µĀēĥē çēõÇçÿÀù
  - (3) While loop Ðí Flowchart ±ÐõµĀēĥē çēõÇçÿÀù
  - (4) 'break' ±Ðõ'continue' statement çŪ/äù
  - (5) çŪ/äù Ñ̃C program structure.

4. (±) ÀÛ Õĥē çairĥē ÍääP µĀēĥē çēõçŪ/äù Ñ̃ 10
- (1) pow ( ) (2) toupper ( )
  - (3) getch ( ) (4) exit ( )
  - (5) getchar ( ) (6) gotoxy ( )

- (Ú) ÀÛ ±À µÕ ÐŪ áÀù Ñ̃ 4
- (1) ±ÜĀĥē ±ÄĥēÜ
  - (2) ±ÉĀĥē ÜĀĥē ÜĀĥēUDF

- (À) ÐíÇŪ ±ēĀĀ ±ēÕ Ñ̃ÁÛ áÀù Ñ̃ 4
- |   |   |   |   |   |
|---|---|---|---|---|
|   |   |   | 5 |   |
|   |   |   | 4 | 4 |
|   |   | 3 | 3 | 3 |
|   | 2 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 |

4. ÀÛ Õĥē çairĥē ÇĀÛ áÀù Ñ̃ 20

- (1) Generate : 1+1+2+3+5+8+13+.....N terms = <sum>
- (2) À Üíõçí ±À ÐŪÛ äçŪ Çē Õĥē ðää ±À Íí ĒõÇ ÀÛÐõ ÐŪÛõ ðäçŪ Ēē
- (3) Generate :
 

1	3	5	7	9	sum
12	14	16	18	20	sum
21	23	25	27	29	sum
32	34	36	38	40	sum
41	43	45	47	49	sum
- (4) N nos. Üçí ççí ÐŪ ÐŪÛ áŪ ±ēÕ ÇĀÛ áÀù
- (5) À Üíõçí ±À VĀ äçŪ ÇĀ äçŪ ÇĀ ÀÇĀõ ÀÇĀÜē Çē ÜĀĥē ÜĀĥē É ÀÇĀõ ÜĀĥē ÍĀí ±ēÕ ÇĀÛ áÀù VĀÜçí ±ÉÜ Çē ÇĀ ìçäĥē ÜĀĥē É ÀÇĀõ ÇĀÛ

## ENGLISH VERSION

- 1 (a) Explain : (any **three**) 15
- (1) What are the types of computer ? Explain.
  - (2) Explain Booting process of computer in detail.
  - (3) Discuss Number System with appropriate example.
  - (4) Show the classification of printer and explain DMP with diagram.
- (b) Answer any **one** : 5
- (1) Discuss - ATTRIB, DIR
  - (2) What is Internet and External Dos Commands ?  
– Differentiate.
- 2 (a) Write full form : 5
- ANSI – GUI – TB – HDD – 4GL  
– DDRAM – BIOS – VLSI – SVGA – ENIAC
- (b) Fill in the blanks : 5
- (1) \_\_\_\_\_ is used to erase EPROM chip data.
  - (2) The first super computer of India was \_\_\_\_\_.
  - (3) The quality of laser printer is measured in \_\_\_\_\_.
  - (4) \_\_\_\_\_ is the father of computer.
  - (5) Track is sub-divided into \_\_\_\_\_.
- (b) Answer following : (any **two**) 10
- (1) What is Format Specifier ? Explain with example.
  - (2) Explain if.....else if ladder with flowchart/example.
  - (3) What is increment/decrement operators ? Explain.
  - (4) Write suitable program to explain strcmp ( ) and isalpha ( ) functions.
- 3 Answer following : (any **four**) 20
- (1) Write note : Array in 'C'
  - (2) Explain 'Static' variable in 'C' with example.
  - (3) Discuss while loop using flowchart and example.
  - (4) Explain 'break' and 'continue' statement.
  - (5) Explain : C program structure.

4 (a) Explain functions : (any **five**) 10

- (1) pow ( )                      (2) toupper ( )
- (3) getch ( )                    (4) exit ( )
- (5) getchar ( )                 (6) gotoxy ( )

(b) Write note : (any **one**) 5

- (1) Priority of operator in C
- (2) Argument but no return UDF.

(c) Write program to generate following output : 5

```
          5
         4 4
        3 3 3
       2 2 2 2
      1 1 1 1 1
```

5 Write program : (any **four**) 20

(1) Generate : 1+1+2+3+5+8+13+.....N terms = <sum>

(2) Generate :

1	3	5	7	9	sum
12	14	16	18	20	sum
21	23	25	27	29	sum
32	34	36	38	40	sum
41	43	45	47	49	sum

(4) Find out the smallest no. out of N nos.

(5) Read one string from keyboard. Convert the first character of all words into capital and remaining characters into small. Remove all other characters except alphabets and spaces.