



RM-6013

B. E. I (Sem. I & II) Examination

April / May - 2010

Fundamentals of Computer Programming

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. I (Sem. 1 & 2)

Name of the Subject :
Fundamentals of Computer Programming

Subject Code No. : 6 0 1 3 Section No. (1, 2,.....) : Nil

Seat No. :

Student's Signature

- (2) Use **separate** answer sheet for each section.
- (3) Make assumption whenever required.
- (4) Numbers on the **right** indicate marks.

Q-1 (A)	Fill in the following blanks	[5]
I.	Every program statement in c must end with a _____.	
II.	The _____ function is used to display the output on the screen.	
III.	Every C program must have one _____ function.	
IV.	While loop is _____ type of the loop.	
V.	The _____ arithmetic operator can be used only with integer variables.	
Q-1 (B)	Answer the following (Any Five)	[10]
I.	What is the use of "&" in scanf function?	
II.	Explain Flow chart and Algorithm.	
III.	Describe basic data types in C.	
IV.	Draw the functional block diagram of a computer.	
V.	Explain Post increment and pre increment operator.	
VI.	Define operating system and its functionality	

Q-2(A)	Give the output of the following 'C' Statements [10]
I.	<pre>void main() { int y; printf("%d %d %d",y, y++, y--); }</pre>
II.	<pre>If (-5) printf("hello"); else printf("hi");</pre>
III.	<pre>void main() { int x=5,y=7,z=8; for (; 50<100;x++,y++) { while(y>=x) { break; printf("\n%d%d%d",x,y,++z); y--; } If(x==5) break; else continue; } getch(); }</pre>
IV.	<pre>int a=10,b=5; If (a >b) { if (b>5)</pre>

	<pre> printf("%d",b); } else printf("%d",a); </pre>	
V.	<pre> for (m=0;m<3;++m) { printf("%d\n",(m%2)?m:m+2); } </pre>	
Q.2 (B)	Write a program and draw the flow chart for generating Fibonacci series.	[10]
	OR	
Q.2(B)	Write a program and draw the flowchart to find the sum of even and odd numbers between 1 to 100.	[10]
Q.3	Answer the following: (Any five)	[15]
I.	Explain Assignment and relational operators supported in C with example	
II.	Convert $(85)_{10}$ to its equivalent binary number system.	
III.	Explain various types of software.	
IV.	Enlist various input output devices and explain any one.	
V.	Convert $(110110)_2$ to its equivalent decimal number system.	
VI.	Explain goto an exit function.	