

THAPAR UNIVERSITY, PATIALA
B.TECH(DISTANCE EDUCATION) EXAMINATION, SEPTEMBER,2007
COMPUTER PROGRAMMING & IT(CS036D)

TIME ALLOWED = 3 HOURS

MAXIMUM MARKS 100

NOTE: ALL THE QUESTIONS ARE COMPULSORY.

Q1 i)	Name the various phases of software development life cycle.	
ii)	Give any two examples of system software.	
iii)	What is the full form of http.	
iv)	What is the application of FTP?	
v)	What will be the value of 'x' after the execution of the following program? Explain. main() { int x=1; do {while (x<=10) x++;} while(x<=5); printf("x=%d", x);}	
vi)	main() { int x = 5,y = -10, z; int a = 4, b=2; z= x++ + ++y * b / a;} Value of z is _____.(Give reason)	
vii)	A & B are two pointer variables, which of the following operations are legal ? Explain.. i) A - B ii) A + 2 iii) A - 2 iv) *(A + 2) = *(B + 1)	
viii)	Explain the concept of encapsulation.	
ix)	What is the difference between break and continue statement?	
x)	What is the difference between signed and unsigned integer?	2 * 10
Q2 i)	What are various types of files (based on accessing method)? Discuss.	
ii)	What are the basic functions of operating system ? Discuss.	(8, 8)
Q3	Write short notes on following: i) telnet ii) gopher iii) domain naming addressing of internet iv) search engine	4 * 4
Q4	Discuss any four control statements supported by 'C' language with proper examples.	16
Q5	Write detailed notes on: i) pointer ii) file handling	8,8
Q6 i)	What are various components of graphic mode ? Discuss.	
ii)	Discuss the use of following graphic functions with proper syntax: line() , floodfill(), rectangle() , circle()	8,8

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