B. Tech Degree III Semester (Supplementary) Examination August 2006

IT 302 COMPUTER PROGRAMMING
(1998 Admissions)

Time : 3 Hours   Maximum Marks : 100

I.	(a)	Explain the implicit and explicit statements in FORTRAN?	(10)
	(b)	Write a FORTRAN program to print first 10 prime numbers.	(10)

OR

II.	(a)	Explain the various control statements in FORTRAN?	(10)
	(b)	Write a FORTRAN program to print the largest of three numbers.	(10)

III.	(a)	Explain Formal and Actual parameters in FORTRAN.	(10)
	(b)	Write a function to computer power (a,b).	(10)

OR

IV.	(a)	Explain file operations in FORTRAN.	(10)
	(b)	Making suitable assumptions create a student information file and retrieve records with a criteria.	(10)

V.	(a)	Explain the switch structure in C with examples.	(10)
	(b)	Write a C program using switch statement to check whether a number is even or odd.	(10)

OR

VI.	(a)	Distinguish break and continue statements?	(10)
	(b)	Write a C program to check whether a number is Armstrong $\left(153 = 1^3 + 5^3 + 3^3\right)$.	(10)

VII.	(a)	Explain the concept of multidimensional arrays in C.	(10)
	(b)	Write a C program to find the product of two matrices.	(10)

OR

VIII.	(a)	Write a function to find the factorial of a number.	(10)
	(b)	What are the various storage classes in C?	(10)

IX.	(a)	Explain the notations in pointer arithmetic with examples.	(10)
	(b)	Making suitable assumptions, create an employee information file and retrieve those records with a particular criteria.	(10)

OR

X.	(a)	Explain the fundamental concepts of C graphics?	(10)
	(b)	Write a menu driven C graphics program to draw a line, circle or ellipse?	(10)

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