(Pages: 2)

Name Street ME

THIRD SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, DECEMBER 2011

CE 04 302—COMPUTER PROGRAMMING IN

Time: Three Hours

Maximum · 100 Marks

Answer all questions.

Part A

- I. (a) Draw the basic block diagram of a computer.
 - (b) Briefly explain the programming language.
 - (c) Explain briefly about "Lexical Elements and Numerical Constants".
 - (d) Write a short note on "Precedence and associativity of operators".
 - (e) Explain with an example of "if statement".
 - (f) Explain the uses of continue and break statements with an example.
 - (g) Briefly explain the applications of "Arrays" in C Programming.
 - (h) Explain the uses of "text files".

 $(8 \times 5 = 40 \text{ marks})$

Part B

II. (a) With suitable example, explain in detail about the developing algorithms and flowcharts in 'C'.

Or

(b) (i) Explain in detail about the steps involved in Computer Programming.

(8 marks)

(ii) Explain in detail about the debugging a program in C.

(7 marks)

- III. (a) Write a technical note of the following:—
 - (i) Arithmetic expressions and conversions.
 - (ii) Assignment expressions and Multiple expressions.
 - (iii) I/O format specifiers.

Or

(b) Discuss in detail about the "fundamental data types, relational operators and conditional operators".

(15 marks)

Turn over

1820 A 100	The same	(Pages 2)	a a' a	8	D 23506
IV. (a) With a su	uitable example, exp	lain in detail about	"loop control state	ements" in 'C'.	,
(b) Write a	SOUTH (OULSE)	TON (ENGINE ON, DE SRIWOHO)	MESTER B.T EXAMINATION	THIRD SE	
(i) U (ii) L	ser defined function ibrary functions.	UTER PROGRAM	04.302COMP		Time: Three
(m) K	ecursion.	ver all questions.	usus.	· · · · · · · · · · · · · · · · · · ·	(15 marks)
V. (a) Discuss i	in detail about "bitwi	ise operators and st	ructures in arrays	3".	1 1 1
		Or ugino)	lock diagram of a	Draw the basic b	l (a) i
(b) Explain	with an example pro	ogram about "pointe	rs and arrays" in	Castque vitant	I (6)
		ments and Numeron			
	operators".	and associativity of	e on "Precedence	ton 1101 4 × 15 =	60 marks]
		iement".	example of it state	Seplain with an e	(e)
	th an example.	meak statements wi	of continue and h	Ir iam the uses	(i)
- A	amming.	Arrays" in Progn	ie applications of	s refly explain th	(g)
			of "text files".	Typhan the uses	(14)
$(8 \times 5 = 40 \text{ marks})$;; (8)
,		320 52 - 2			1
as and flowcharts	leveloping algorithm	n detail about the d	ample, explain in	Veth suitable ex	V (B) .II
		न् र्			i i
(8 marks)	uter Programming.	ps anvolved in Comp	tail about the ste	tab si nisigadi ((d)
(7 marks)	') n	i merrong a program	tail about the del	ob ni onalex' (II)
	# 	TVII V	rote of the follow	Verice a technical	V (a) III
		enversons.	expressions and	or. Archmetic	
	.an	Wultiple expression			
				temati (il tar	92

(b) Discuss in detail about the "fundamental data types, relational operators and conditional (15 marks)

19vo GinT