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	1	CARBOUNTS	
Answer Sheet No		- Cing	i.co.
HSSC-II		******	13

COMPUTER SCIENCE HSSC-II SECTION - A (Marks 15)

Time allowed:	20 Minutes
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NOTE:-	itsel	if it s	should be co	mplete	arts of this sected in the fire	st 20	minutes an	d nan	the question paper ded over to the encil.
2. 1	Circle	the cor	rect option i.e. A	A/B/0	C / D. Each part of	arries	one mark.		
	(i)	What o	does IDE stand for	or?					
		A. C.	Integrated Dev Inter Developm		ent Environment vironment	B. D.	Integrated Du Inter Dual En		
	(ii)	The re	sult of 17 % 3 is						
		A.	2	B.	3	C.	4	D.	5
	(iii)	The ed	quivalent stateme	ent of si	$um = sum - mum$ is_				
		Α.	sum = -num	В.	sum = num -	C.	sum-=num	7 D.	sum =num
	(iv)	Which	of the following	data typ	oe can store up to	255 c	haracters only?		
		A.	Number	B.	Memo	C.	Date/Time	D.	Text
	(v)	To wri	te a single chara	cter to	a file which of the	follow	ing function will b	oe used'	?
		Α.	putc	B.	puts	C.	getc	D.	gets
	(vi)	A colle	ection of data cor	ntaining	information abou	it a pai	rticular entity sto	red in ar	efficient and
		compa	act manner is cal	led					
		Α.	DBMS	B.	Data	C.	Record	D.	None of these
	(vii)	What	do the C stateme	ents en	d with?				
		A.	Comma	B.	Colon	C.	Semi colon	D.	Full stop
	(viii)	Which	part of C will sig	nal an	error message if	there is	s no main () fund	ction in a	a program?
		A.	Editor	B.	Compiler	C.	Linker	D.	Preprocessor
	(ix)		statement is mo	st help	ful when we have	more	than two actions	to be ta	ken based on
		A. C.	If statement Switch stateme			B. D.	Else if staten None of thes	е	
	(x)	Which	of the following	objects	is used to gather	selec	ted information fi	rom a da	atabase?
		Α.	Form	B.	Query	C.	Table	D.	Reports
	(xi)	Which	of the following	is NOT	a valid function of	leclara	ition?		
		A. C.	int avg3(int a, int avg3(int, in			B. D.	int 3avg(int a int avg_3(int	i, intb, in a1, int a	at c) a2, int a3)
	(xii)	The g	etche () is define	ed in th	e following library	file			
		A.	stdio.h	В.	conio.h	C.	string.h	D.	math.h
	(xiii)	On su	ccessfully closin	g a file	fclose () returns				
		Α.	NULL	B.	0(Zero)	C.	1(One)	D.	FILE Pointer
	(xiv)	What	is a diagrammati	c way	of representing th	e relat			ties in a database?
		A.	Flow chart	B.	ERD	C.	DFD	D.	Algorithm
	(xv)		should	be ma	tched to the type				
		A.	Variable type	В.	Variable name	C.	Format spec	ifierD.	Escape sequence
	For E	xamine	r's use only:						
						Tota	al Marks:		15
					—— 2HA 1212 ——	Mar	ks Obtained:		

03

01

03



COMPUTER SCIENCE HSSC-II

Time allowed: 2:40 Hours

Total Marks Sections B and C: 60

Section B and C comprise pages 1-2. Answer any thirteen parts from Section 'B' and any three questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION - B (Marks 39)

0.2 Attempt any THIRTEEN parts. The answer to each part should not exceed 5 to 6 lines.

```
(i)
                What type of error is most difficult to find and why?
                                                                                                           01
        b.
                What are language processors and their usage?
                                                                                                           02
(ii)
        Write the output of the following program:
                                                                                                            03
```

include < stdio.h > # include < conio.h > void main(void) int k=0; while(k<=5) printf("%3d %3d \n",k,10-k); getche();

What is meant by normalization? Give two advantages of normalization. (iii) 02+01

(iv) List the types of operators used in C language. Write briefly about any two of them with examples. 03

Write a C program that calculates the sum of the integers for each integer and gives the (V) following output: 03

> Integer Sum 2 3 3 6 10 15

(vi) Differentiate between the if-else and the switch statements with example. 03

(vii) Give two differences between Local and Global variables.

(viii) What is the purpose of the following functions:

> strien 01 pow() 01

fgets

(ix) Write any three advantages of using a form. 03

(x) What is meant by function definition and function declaration? Give example of function definition and declaration. 03

(xi) What is an Entity?

03

(xii) What is the use of format specifier in C language program? Also give two examples of format specifier.

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03

(xiii) Following table show the records of 4 students in a class:

List the tasks of Database Administrator.

S		

Roll No.	Name	Class	Phone	Marks Obtained	Percentage
1	Amir	XII	5517898	425	80%
2	Naseer	XII	5438922	365	68%
3	Shahid	XII	6786554	498	92%
4	Zubair	XII	7865532	289	47%

		4	Zubair	VII	7000002	209	41 70				
	a.	Sele	ct appropriate	PRIMARY k	ey for the abov	ve table.		01			
	b.	VVrite	e query that ge	ets the Name	, Marks and Pe	ercentage of ROL	L NO 3.	02			
(xiv)	Defir	e the fo	llowing:								
	a.	Com	piling					01			
	b.	Linking									
	C.	Exec	cution					01			
(xv)	VVrite	progra	m that prints th	ne table of ar	y number by u	ising for loop.		03			
(xvi)	Diffe	Differentiate between while and do-while loop with examples.									

SECTION - C (Marks 21)

Note:	-	Atten	npt a	ny Th	HREE	questi	ions	. All questic	ons carry equ	al marks.	(3 x 7 = 21
Q. 3	a.	Dif	ferent	iate b	etweer	user d	efine	ed and built-in-	-function.		
		Giv	e exa	mples	s of use	er defin	ed a	nd build-in-fur	iction.		05
	b.	Wh	y is b	reak s	stateme	ent use	d in s	switch case st	atement?		02
Q. 4	Wrtie	a pro	gram	in C-la	anguag	ge which	h ac	cepts the weig	ht in pounds an	d converts it into	kilograms
	by u	sing a	funct	ion. Ti	he rela	tionship	bet	ween pounds	and kilograms i	s as under:	
	1 poi	und = I	0.453	6 kg							07
Q. 5	a.	Wr	ite a (C prog	ram th	at will p	orint	the following p	pattern:		04
		1									
		1	2								
		1	2	3							
		1	2	3	4						
		1	2	3	4	5					
	b.	VVI	nat is	the pu	rpose	of gets	and	puts statemer	nts in C languag	e?	03
Q. 6	a.	Но	w ma	ny typ	es of c	ommer	nts a	re used in a C	program? Expl	ain with example.	04
	b.	VVI	nat me	eant b	y pre-p	rocess	or di	rectives?			03

----- 2HA 1212 -----

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