Roll No.			,
Sig. of Can	didate	_	

Answer Sheet No	
Sig. of Invigilator	

COMPUTER SCIENCE SSC-II

SECTION - A (Marks 12)

NOTE	- Sec	tion-A	Minutes is compulsory be completed rerwriting is no	in the	first 20 m	inute	s and	handed over	ed on the to the C	question paper entre Superinter	itsel	
Q. 1	Circl	Circle the correct option i.e. A / B / C / D. Each part carries one mark.										
	(i)	Which prompt shows that BASIC is at comman				and level?						
		A.	CLS	B.	NEW		C.	OK	D.	HOME		
	(ii)	The p	urpose of		nteger value b	y simply						
		dropp	dropping off the decimal point and numbers to				the right of it.					
		A.	CINT	В.	ABS		C.	INT	D.	FIX		
	(iii)	Which	n operator need	s one op	perand?							
		A.	OR	B.	AND		C.	NOT	D.	NONE		
	(iv)	Which	h of the following	g statem	nents is use	d to ch	nange th	ne sequence o	f execution	of statements?		
		A.	Logical statement B.			B.	Specification statements					
		C.	Arithmetic sta	atement	S	D.	Cont	rol statements				
	(v)	The r	naximum chara	cters tha	at a string co	onstan	t may c	ontain are				
		A.	128	B.	255		C.	512	D.	1024		
	(vi) Expression $F = m^*$ a is placed in											
		A.					B.					
		C.	\Diamond				D.					
	(vii)	The	double complem	nent of a	variable is	alway	s					
	0.00	A. 0					B. 1					
		C.	The same as	s variable	е		D.	Inverse of	variable			
	(viii)	One	dimensional arr	ay would	d need		to identify each element.					
		A.	One subscrip	pt			B. Two subscripts					
		C.	Three dimen	sional			D.	Multiply dir	mensional			
	(ix)	Which variable name is NOT valid in BASIC?										
		A.	ABC	B.	ABS		C.	A1	D.	AB1		
	(x)	In While-Wend loop the minimum number of iteration is										
		Α.	0	B.				2	D.	None of these		
	(xi)	IF-Th	nen statement w	ith GOT	O forms a	an _		loop.				
		Α.						Endless	D.	Unconditional		
	(xii)	The	selection of colo	our is dor	ne with the			statement.				
	()	Α.	COLOR				B.					
		C.	PALETTE				D.	None of th	ese			
	Ear!	Evamin	er's use only:		_			_				
	ror i	-Aamin	or a use only.				Tota	al Marks:		12		

Marks Obtained:

Roll No.		T	T	T	1
11011110.				1	

Answer	Sheet	No	



Sig. of Candidate _____

Sig. of Invigilator.____

کمپیوٹر سائنس . ایس ایس سی-II

			(1:	اوّل (کل نمبر:2	ھتہ		,	20منٹ	:==
ل کا استعال منوع ہے۔	جازت نبيس _ليڈينـ	باع - كاث كردوباره للصفى ا	ز يحوا كرديام	ں منٹ پی کھل کرکے ناظم مو	م کے اس کو پہلے ہے	ابات پرچ پری دیے جا کو	ہ۔اں کے جوا	حته اقل لازي	:ك
	-41	ئىس-ىرجزوكاايكىنم	حكرو وانزهلكا	سے درست جواب	بارج رو میں۔	لفاظ یعنی الف رب	دیے گئے ا	:1/	موال نم
		?~	(Comma	مانڈ لیول(nd level	لBASIC	Proسے ظاہر ہوتا ہے ک	mptص	(i)	
HOME	-)	ОК	-2	NEW	-ب	CLS	الف		
ے نبرز کوختم کردے؟	لرف کے سار	dec) اوراس کے دائیں ط	شارىي(imal	بوحاصل كرےاور نقطه اع	ار Integer ا	_ فنكشن كامقصديير		(ii)	
FIX	-)	INT	-2	ABS		CINT	الف		
				?~	کی ضرورت ہوتی ۔	فرکوایک Operand	کی آپ	(iii)	
NONE	- 3	NOT	-&	AND		OR	الف		
		ستعال ہوتی ہے؟	Stateme	رنے کے لیے کون ی	ى ترتىب كوتبديل آ	ل (Execution)	پروگرام کی تغیر	(iv)	
Sp	ecification	n statements			Logica	al statements	الق-		
	Contro	ol statements	- 3		Arithmetic	c statements	-2		
		کیا ہوگی؟	ياده سے زيادہ صدّ	characters کاز	String c) الر	کانٹنٹ(onstant	ایک سٹرنگ	(v)	
1024	- 3	512	-&	255		128	الف_		
					رکھاجائےگا؟	کوکسsymbol شیرار	F=m*a	(vi)	
							الف		
						$\langle \rangle$	7		
			ہوتا ہے۔	44.comr	element	ر (Variable)	ج- کسر بھے متنا	4.411	
		1	1		nemeno, s	(variable)		(vii)	
	Invers	e of variable	- ,		The same	e as variable	الف۔		
	1114010	o or variable		نے عناصر کی ضرورت ہے؟			5- !===:==	6.:::N	
	Tw	o subscripts						(viii)	
		dimensional					الف		
	wittiply	umensional	~ J	C =		ر variable کام	5-	<i>c</i> .	
AB1	و ــ	A1	-&	ABS		All Vend		(ix)	
7131		A	-0		ب۔ کی کمن کمرزوں اور کا	ABC -While نوپ کے چلنے		6.3	
درج شدہ میں کے کئی تج	و	2	2.	1		15.1		(x)	
03-0403-033	-,			, 				4. 15	
Un-conditional	_)	Endless		Controlled				(xi)	
on conditional	- /			statement یے کون					
درج شدہ میں ہے کوئی	~)							(xii)	
032000000000000000000000000000000000000	~)	PALETTE	-0	SELECT		COLOR	الق		
	_	TQ: 100000-							
		حاصل كرده نمبر:		12	: 1.	گل نم		تنحن:	برائے برائے
			_						

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COMPUTER SCIENCE SSC-II

Time allowed: 2:40 Hours

Total Marks Sections B and C: 43

NOTE:- Answer any nine parts from Section 'B' and any two 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.

 (ii) What is a Flow chart? Give ONE advantage of using flow chart. Draw any TWO symbols used in flow chart. (iii) Find and correct the errors in the following program: 10	Q. 2	Atten									
flow chart. (iii) Find and correct the errors in the following program: 10		(i)	Subtract (10001) ₂ from (11010) ₂ using 2's complement.								
(iii) Find and correct the errors in the following program: 10		(ii)	What is a Flow chart? Give ONE advantage of using flow chart. Draw any TWO symbols used in								
10 Input "Table of "; S 20 N = 1 30 P = S x N 40 PRINT S: P: N 50 N = N + 1 60 IF N < 10 then , go to 30 70 End (iv) What is meant by Debugging? (v) Differentiate between 1-dimentional and 2-Dimentional arrays. (vi) How many modes are there to display graphics on screen? Give example. (vii) What will happen if NEXT statement is missing in FOR loop? (viii) Simplify using Karnaugh Map (K-Map) $F = ABC + ABC + ABC + ABC$ (ix) Write a program in BASIC to find the average of 57 and 65. (x) What is the difference between Command and Statement? Give example of each. (xi) Convert the following program using If-Then statement: 10 For M = 1 to 10 20 Print M 30 Next M 40 End (xii) Write down the purpose of the following GW-BASIC commands: a. KILL b. RUN c. SYSTEM (xiii) What are the major characteristics an algorithm must hold to qualify itself?			flow chart.								
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			a. KILL b. RUN c. SYSTEM								
		(xiii)									
SECTION - C (Marks 16)											

Note:		SECTION – C (Marks 16) Attempt any TWO questions. All questions carry equal marks.	$(2 \times 8 = 16)$
			Calvas
Q. 3	List tr	ne types of operators used in GW-BASIC. Also explain any three with examples.	08
Q. 4	a.	What is the use of DIM statement in 1-Dimensional and 2-Dimensional arrays.	04
	b.	There is a file named "STUDENT". Write the statement to OPEN and CLOSE this file.	04
Q. 5	Conv	ert the following:	08
	(i)	201 into (?) ₂ binary	
	(ii)	(101011) ₂ into (?) ₁₀ decimal	
	(iii)	635 into (?) ₁₆ hexa decimal	
	(iv)	(542) ₈ into (?) ₁₀ decimal	
		CO AND CONTROL OF THE PROPERTY	

کمپیوٹر سائنس ۔ ایس ایس سی -۱۱



كال تمبر حصدووم اورسوم 43 2:40 توٹ:- حقد ''دوم'' اور ''سوم'' کے سوالات کے جوایات علیمدہ سے مہیا گائی جوائی کائی پر دیں۔ حقد ''دوم'' کے تو (09) اجزاء اور حصد''سوم'' میں سے کوئی ے دو(2) موال حل سیجے۔ ایک طراشیٹ (Sheet-B) طلب کرنے پر مہیا کی جائے گی۔ آپ کے جوابات صاف اور واضح ہونے جا تئیں۔ حقه دوم (گل نمبر 27) سوال تمبرا: مندرجه ويل اجراء من يو (09) كتن سے عارسطرول تك محدود جوايات كسين: (9x3=27)2's complement کواستعمال کرتے ہوئے (10001) کو 2(11010) ہے متفی کریں۔ قلوچارث (Flowchart) كياب؟ فلوچارث كاستعال كاكوئي ايك فائد لكھے - نيز فلوچارث ميں استعال ہونے والى كوئى ي وو علامات بنائے۔ (ii) مندرجه ذیل بروگرام میں غلطی تلاش کریں اورائے تھیک کریں: (iii) Input "Table of": S 10 N = 120 $P = S \times N$ 30 PRINT S:P:N N = N + 150 60 IF N < 10 then, go to 3070 در کی تعص (Debugging) سے کیام ادے؟ (iv) 1-Dimensional اور Array) اور Array) اور Array) کے درمیان فرق تح برکریں۔ (v) سكرين ير الرافحي ظاهر كرنے كے كتنظريق (modes) إن؟ مثال بهي ديجے_ اگرفارلوپ FOR loop شن NEXT كا Statement موجود نه بوتو كما بوگا؟ (vii) F = ABC + ABC + ABC + ABC + ABC كواستعال كرتي يوسي المركزي : Karnaugh Map (viii) BASIC يروكرام كيس جو 57 اور 65 كى اوسط معلوم كرے_ (ix) كمائذ (Command) اور سيمنت (Statement) مين كيافرق ع؟ براك كي مثال ويحير (x) مندرد فی بردگرام کو IF-Then Statement استعال کرتے ہوئے تبدیل کریں: (xi) For M =1 to 10 20 Print M Next M 30 40 مندرجيذيل BASIC commands كالتصديح ريكري: الف ـ KILL SYSTEM ایک alogorithm کی کون ی اہم خصوصیات اس کوائل کرانے کے لیے ضروری ہیں؟ حقه سوم (گل نمبر 16)

(2x8=16)

(کوئی سے دوسوال علی سے یہ مام سوالوں کے نمبر برابر ہیں۔)

GW-BASIC میں استعمال ہونے والے operators کے نام لکھیے نیز کوئی ی تلین کی وضاحت مثالوں کی مدو ہے کریں۔ 08 (Array) اور Array) اور 2-Dimesional کا استعال ہے؟ 04 ایک فائل کانام "STUDENTS" ہے، اس فائل کو OPEN اور CLOSE کھیں۔ مندرجه ذيل كوتيديل كرين: 08 (i) 201 into (?) (ii) (101011)₂ into (?)₁₀ decimal 635 into $(?)_{16}$ hexa decimal (iii) (542), into (?), decimal (iv) ----- 2SA-1111 -----