# 14. ICT EDUCATION (COMPUTER EDUCATION)

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Co	moutor Fundamentals 9 B	am 2068			
CU	mputer Fundamentals & Programming (ICT.	Ed.311) Interdisciplin	lary		
***		Group 'A'	the project	H BITTON	10
An	empt ALL the questions. Tick (√) the best ar	nswers.		William Sales	
1.	which of the following technology is used in	first generation comp	uters?	valle of a	
	a) i ransistors	b) IC		41077 A	
	c) Vacuum tube	d) Magnetic tane			
2.	Which of the following is an electrically alter	rable read-only memo	n/b		
	a) ROM	b) EAROM	21	ACRES NO. 5	*
	c) EPROM				
3.		d) ROM	1 state of	Vena i Militi	
-	Program that copies itself over network con is usually called	nection, moving from o	one computer	to another con	nputer
	a) Worm	1110			
	-1 T-1-1-1	b) Virus	ly tathings	TO LOSS BETT	
4.	C) I rojan horse	d) Trap door			
4.	Which of the following is not a transmission	medium?			
	a) Modem	<ul> <li>b) Coaxial cable</li> </ul>	of establish	75 A RES	
_	c) Telephone line	d) Optical fiber	and that	76 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1
5.	The numerical U, 1 in the data in known as	To the second second	Same Service All		
	a) Bit	b) Data	and admention of	N SEX SIL	
	c) Half byte				. 10
6.	ASCII stands for		dependent		
	a) American static code for Information Inter		Stange by a		
	b) American Standard Code for Information	Interchange	so miseled to		
	c) American Standard Code for Interchange	interchange		algenda? 30	
	d) American Standard Code for Information	mormation		100000	
7.	The correct HTML for inserting an image is	Innerchange	Sugard Hally	ESTATI MEST	
	a) <img source="IMAGE,GIF"/>		1 4	200 3	
	b) IMC UEDE - "IMAGE,GIF">		1 Jane	ing build so	
	b) <img herf="IMAGE.GIF"/>	27 BS . W 1/2 /2 LS GR	se Sei se la	an harde	
	c) <img src="IMAGE.GIF"/>			25 2	
	d) <image src="IMAGE.GIF"/>	6		20.5	
8.	What does MOD mean?	The state of the state of	Section of the last		22
	a) Modulus division	b) Modular division	and the state of the		O.
	c) Modulation	d) All of the above		The letter	
9.	What will this code produce?	7:		3HW 66	
	Firstword\$="book"			PHY TOU	
	Secondword\$="keeper"			1/12/5/	
	PRINT firstword\$+secondword\$		$\cdot$	AL THERE	
	a) "bookkeeper"	41		0.4	
	c) firstword\$+secondword\$	b) error message		24	
10.	If the English January follows to	d) compile error	Manifest		
55.5		d rules on grammar,	what does C	BASIC follows	s as
	Counterpart				
	a) Strings	b) Syntax	htt-(inbitoogr	e si tensi	ď.,
Los	c) Semantic	d) Coding		4	
Atten	npt ALL the questions.	may mil sugar. to said	- marem	-1- 09697	
	JP 10 m	Group 'B'	YW DIS CHICKY	4×7=	20
1.	What are the characteristics of computer? Dit	Terentiate hotween din	ital and analog	401-	02
OR	The second secon		itai aliu alialo	g computer.	
	What are the differentiate between primary ar	ed secondary memory	dense? Days	I what will	
2.	Describe the <a> and <img/> in HTML.</a>	a secondary memory	र्म जावासी गर्भ	What are	
3.	What is database management system (DBM	613		161	
4.	What is variable? How do you declare the var	inhia in ODARIOS	Charle wall	EN HOUSE	
OR		MADIE IN UBASIC?			
	The second secon				

What is looping concept? Explain with example.

Group 'C' Draw a block diagram of computer system. Describe the components of computer system. 5. OR Write a program to check if the given number is prime or not using QBASIC programming language. Exam 2069 Group "A" Attempt all the questions. Tick (√) the best answers. Which of the following devices measure storage capacity in megabytes or gigabytes? b. NIC card a. Hard drive d Modem c. CPU Which of the following connectors is used for hard drives? 2. b. SATA a. Parallel d. TIFN c. HDMI What kind of computer memory is both static and non0volatile? 3. b. ROM a. RAM d. Virtual The way of manipulating data into information is called b. processing a. storing d. organzing c. deletion MS Access belongs to 5. a. Relational Data Base Management system b. Data Base Management System d. Data Base Manipulating System c. Data Base Management Software Windows is an example of a (n) 6. b. operating system a. Programming language d. printer driver c. local area network card. Which of the following performs modulation and demodulation? 7. b. Optical fiber of the Market of Auditoria a. Satellite c. Switch How to insert an image? 8. b. <img src=...> a, <img=...> c. <img href=...> c. <img source=...> Which one of the following postfix symbols represents a string variable in Basic? 9. b. 1 a. % d. S c. # What is the output of following code? 10. LET x=0 DO WHILE x<=5 LET x+1 LOOP **PRINT** x b. 1 a. 0 d. 6 c. 5 Attempt all the questions. Group "A" What is a secondary memory? Describe the Hard Disk. 1. What are the different types of printer? Describe Laser Printer. Explain < Table > tag with 5 attributes and value in HTML. What do you mean by Relational Database Management System? 3. OR What is internet? Describe the use of Internet. What are the different between function and sub in QBASIC? OR What is a flow chart? Draw a flow chart to print 1 to 10. 12 Group "C"

What is the Computer Architecture? Describe with block diagram.

5.

Write a program to open data file cited. Data that contain the name address phone number of 5 students and display all the records.

### Exam 2071 Group "A"

Attempt ALL the questions. Tick (v) the best answers. Which of the following is used as a primary storage device?

a. magnetic tape

c. Floppy disk

d, all of the above

2. A megabyte is a. 1,024 bytes c. 1 million bytes

b. 1,000 bytes d. 1 trillion bytes

3. Which of these is not an example of an input device?

a. keyboard c. hard drive b. mouse d. scanner

4. Which of the following device can be used to directly input printed text? b. Mouse

c. MIC

d. Joystick Which device that amplifies a signal transmitted over the network?

a. Bridge

b. Repeater d. Multiplexer

The process of digital signal to Analog signal is called 6. a. Modulation

c. Modem

b. Frequency d. Demodulation

Cell Address \$B\$6 in an excel formula means

a. Relative Cell Reference c. Mixed Cell Reference

b. Absolute Cell Reference d. Calling Cell Reference

Which of the following tag does not require a terminator? a.<HI>

c. <B>

7.

b. <BR> d. <U>

Which statement is to Print the 24th item of the array B? a. PRINT B\*24.

c. PRINT B(24)

b. PRINTB(24) d. PRINT B

10. What is the output of following code? LETC = 0

> DO WHILE C<=5 LET C = C+1

LOOP PRINT C

a. 0 c. 5

Attempt ALL the questions.

Group "B"

1. What is Flash Memory? Describe with example.

Explain <OL> and <UL> tag in HTML with example. 2.

3. What is Internet? How does search engine work to search the information? OR

What is computer network? Explain about Star topology.

Write a function procedure using FUNCTION-END FUNCTION statement to display the prime number from 2 to 20.

OR What is flow chart? Draw a flow chart and program to check given , number is odd or even.

Group "C"

What are the different types of output device? Describe the functional structure of CRT and LCD monitor

5. OR What is file handling in QBASIC? Write a program to read the information from data file "EMP.DAT" which consists many records with the many fields name (NAME, POST, DOB and Salary). Write a program to display the records having salary greater or equal to 32000 or having POST "MANAGER".

"MANAGER". Basic Hardware, Software & C programming(ICT.Ed.312) (c) Exam 2068 Group 'A' Attempt ALL the questions. Tick the best answers. What is the (1001)2 = (?)10 b) 9 a) 5 d) 14 c) 11 (XY)' = X' + Y' is called ...... Law. 2. b) associative a) communicative d) D & Morgan c) distributive It is part of ALU that sues for arithmetic/logic operations and the result is always stored in the 3. b) Program counter a) Accumulator d) Register c) Stack of pointer Which bus is used to transfer the binary information flows both way between the microprocessor and memory or I/O. b) Address bus a) Data bus d) Common bus of sample lamble to haddened c) Control bus Which is not the 8085 instruction set of group? 5. b) Arithmetic a) Data transfer d) Branch and machine control c) Transfer ...... is the situation in which a process of waiting on another process, which is also waiting in another process..... which is waiting on the first process. None of the processes involved in this 6. (3) sac is get palong or and for tolcircular wait are making progress. b) starvation a) deadlock d) queue int x:/\* assume x is 16 bits in size \*/. What is the maximum number that can be printed using 7. printf("%d\n,x), assuming that x is initialized as shown above? b) 225 a) 127 d) 65,536 c) 32.767 When you are crating a structure, you need to use which of the following keyword b) struct a) structure d) record c) object Which of the following is an operator ion 'C'? b) \$ a) && d)# c)@ What will output:-void main() (float a=0.7; if(a<0.7)(printf("C");) else (printf("C++");)) b) C++ a) C d) error c) 0.7 Basic Hardware, Software& C Programming (ICT.Ed.312) Time: 1:30 hrs many and letter a cal chile Elective Group 'B' but is between "considered at Attempt ALL the questions 4×7=28 Group 'B' What is Logic gate? Draw truth table for AND, OR and NAND gate. What are the functions of control unit? Draw a block diagram of internal architecture of CPU. 2. OR Describe the functional description of register, What are the differences between logical and physical address? Describe the paging for memory 3. What is operator? Explain the importance of operator precedence with a programming example. OR

b) Call by reference

Explain with suitable example:

a) Call by value

Write a flow chart and program to read seven days temperature in an array and print deviation for 2. average temperature for each day.

OR I A STATE OF THE STATE OF TH Write a program to read N numbers of people's age in an array and print minimum, maximum and average age.

> Exam 2069 Group "A"

10

Attempt all the questions. Tick ( $\sqrt{}$ ) the best answers.

1. (XY)'=X'+v' is called—law

a. communicative c. distributive

b. associative d. DeMorgan

What is the (III)2=(?)10?

c. 15

d.14 3. What does the microprocessor speed depend on?

a. clock speed c. address bus width b. data bus width d. number of pins

Which is NOT flag in Microprocessor?

a. Zero (Z) c, Cache (Ca) b. Carry (CY) d. Parity (P)

RISC stands for

5.

a. Reduced Instruction Set Computer c. Reduced Index Set Computer

b. Resized Instruction Set Computer d. Resized Index Set Computer

Which of the following is not a condition necessary for, deadlock? 6.

a. Circular wait c. Hold and wait

b. Starvation d. Mutual exclusion

What is the meaning of #? 7.

a. post procedure c. procedure

b. pre-processor d. pre-increment

8. What types of operators are &&.II.I?

a: conditional operator c. bitwise operator

b. ternary operator d. logical operator

9. What is the meaning of Scanf ()?

a. formatted input statement c. formatted output statement

b. unformatted input statement d. unformatted output

10. What is the output of the following statement? void main ()(int i=65; printf("/,%,%,", i,i,);)

a. error message

b 65.65

c, a 65

5.

d.a

Attempt all the questions.

Group "B"

4×7=28

1. What is Boolean Algebra? Explain DeMorgan's laws.

What is Address Bus? Draw a block diagram for Bus System of Micro Processor. 2.

What is assembly language? Explain about Mnemonics.

Define First Come Serve (FCFS) scheduling algorithms with average waiting time. 3. What are the differences between do loop and while loop? Explain with an example.

What are the different types of operators in C? Explain the logical operator with an example. Group "C"

1×12=12 Write a flow chart and a program to find out the largest number among three given numbers. OR

Write a program to read N number of person's age using array and print maximum age.

b. NAND.NOR

d. NOT

b. 0101

Attempt ALL the questions. Tick (\(\sigma\)) the best answers.

Which of the following is/are the universal gate?

The bit pattern 1010 in 1's complement notation is

a. AND.OR

2.

C XOR.XNOR

d. 0111 It is a part of ALU that used for arithmetic / logic operations and the result is always stored in the 3. b. program counter a. accumulator d. register Which bus is used to transfer the binary information flows both ways between the microprocessor 4. and memory or I/O? b. address bus a, data bus d. common bus c. control bus Which is not the 8085 instruction set of group? 5. b. arithmetic a, data transfer d, branch and machine control c. transfer FIFO scheduling is 6. b. Non Preemptive Scheduling a. Preemptive Scheduling d. Fair Share Scheduling c. Deadline Scheduling Which of the following is the correct output of the following? 7. void main() (inti=5; i=i-H- + ++i + i++; printf("% d",i); b. 20 a. 18 d. 15 c. 24 C name was suggested by b. Bjarne Stroustrup a. Rrick Mascitti d. Dennis Ritchie c. Donald Knuth Which of the following is NOT an operator in 'C? 9 h.>> 2.88 d.# Which of the following they word is used when there is not any return type? 10 b. double a. long d. int c. void Attempt ALL the questions. Group "B" Draw truth table, logical diagram and algebraic expression for AND, OR and NAND gate. Define Microprocessor. Draw a block diagram of internal, architecture of 8085 Microprocessor. 1. 2. OR Define the Register with functional description. What are the functions of Operating System? Explain. 3. What is data type in C Programming Language? OR . What is array? Explain with suitable example. Group "C" Write a flow chart and program to read five subject marks using array and find out average marks. OR Write a program to print Fibonacci series using while toop (1, 1, 2, 3, 5......n).

## (c) Graphics, Numerical Methods, and Software Project Management (ICT.Ed.331)

Exam 2069 Group "A"

Attempt all the questions. Tick (v) the best answers ..... model is source of conventional software process

a. Prototype c. Waterfall

2.

6.

8.

b. Iterative

To reduce the size of the line of the code of software we should use

d. Spital

a. higher order languages b. object oriented analysis and design

c, commercial components

d. all of the above

Which is not the phase of the software life cycle process? 3.

a, development c. construction

b. elaboration d. transition

Which activity does not lie under the engine ring set of the software process? 4. a. requirement

b. design

c. implementation

d, development plan

The project environment evolves through prototype, ..... and maintenance 5.

c. testing

b. development d. implementation

Which is not a basic geometrical transformation?

a. drawing c. scaling

b. translation d. rotation

Which one is a polygon tendering method? 7.

a. Scaling c. Octree

b. Ambient

d. Phong Which one is the hidden surface removal method form following?

c. depth-buffer

b. constant intensity d. fast-Phong

The input device .... is a ball that can be rotated withthe fingers or paim of the hand. 9. a. Digitizer

b. Joysticks d. Mouse

c. Trackball 10.

Graphics object are jpresented as a collection of discrete picture element called ... b. Pixel

a. Bit c. Line

d. Stroke

Which one is the numerical error of the following? 11.

a, truncation error

b. missing information

c. data error

d. wrong assumption

Which one is not an oper ended method or extrapolation method of solving non-linear equation? 12.

a. Newton Raphson c. Fixed method

b. Secant d. bisection

If y=x3+1 hen  $\frac{dy}{dx}=?$  Dx 13.

a. 3x4 c. 3x2

b. x2 d. 3s+1

Which one is the linear equation from the following?

a. 2cosx-x=0

b. y=7x+15

c. x3-4x2+4x+4 0

d. both a and b

Attempt all questions.

Group "B"

1. Write an algorithm of Bisection method to calculate the root of non-linear equation OR

Use Simpson's 3/8 rule to compute the integral

Estimate the value of SinQ at Q=25° using the Newton backward difference formula with the he of following data:

	40	20	30	40	- 50	
	Q 10 SinQ 0.1736	0.3420		0.6428	0.7660	
	Write the different graphics	innut dovices	Evolain any tu			
3.	write the different graphics	iliput devices.	Explain only on	Salaran	- I was not been been	
1.	Explain Rater scan principle					
DR .	Explain the basic two-dimer	reional geome	tric transforma	fions		
	What are the necessary imp	isional geome	mired to water	fall model to w	ork? Explain briefly.	linafic.
5.	What are the necessary im	Jiphellielle 16	Proup ICI	editributed to in	risgramal Tohnoriti	2×12=2
		denuine aloog	then for imies	and the second of the second		-,
7.	Write the Bresenham's line	urawing aigon	man to hid - 1.		Salahatata a	
OR	Explain the types of visible		ion mothade	side and not b		
2.	Explain the types of visible	surface detect	sone with their	objectives		
8.	Explain the software proces	ss me-cycle bit	daea with their	objectives.	and the same of the same of the same of	
			xam 2071	about well by action	H- sai teo et animi	14
			Group "A"			. 14
Atten	npt ALL the questions. Tick	(√) the best	answers.		2-4501-1554-15	
1.	Which one is the principle	of modern soft	ware managen	nent?	All the second second second	
	a. architecture - first		b. ne	erative process	All the glace so the in-	
	a component based develo	pment	d. al	of the above	and the second second of	
2.	Which one is the essential	activity done is	n the elaboration	on phase of the	software life-cycle?	15.
	a, elaborating scope		b, el	aborating plan	STATE OF THE PARTY	
	c elaborating vision	1000		aborate testing	Enter the same	
3.	Which one is software cos	ting parameter	form of the fol	lowing?		
٠.	a, size		b, e	nvironment	SEED C. DOMESTICATION	
	c. quality	10 mil 1810	d.a	of the above	F29/E)U 3	
4.	Which one is not a phase	of software life	cycle process?		Philippe 1	
7.	a. inception		b. e	laboration	Med 9 o suc tout	
	c, construction	第 知為	d. ri	sk mitigation	galace.	
5.	Which is not a staffing prin	ciple given by	Boehm?		2500	
э.	a, job matching		b. to	op talent	mn er) = nortxill	
	c. no phase-out			areer progress	ion 32486	
6.	Which is not the visible su	rface detection			TS TO A METERS OF	H.
0.	a, Backface	ersonale na hide	b. 8	can-line		
	c. Octree	. J. alignoch	d, A	mbient	1833/867	
7	Which graphic hardware	vorks as input	as well as out	out device?	BESTAGET	
7.	a, digitizer	lating etc. and	b. (	OCR	ME IN CASE AND A	91
	c. touch screen			ight pen		
	Which is not an illumination	n model of the	following			
8.	a, ambient	on monor or an	b.	diffuse	yer sed a markisay	
	351500	salar greaters		specular	- Park polary	
•	c, phong Which is not a basic geor	notrical transfe		P	न्द्रामा अंदित ।	
9.		Hotrical Editor	b.1	translation	3 Flogra & Value	
	a, drawing			rotation	Y 12年度計畫 中計畫 19	
	c. scailing Which is the line clipping	algorithm of th			State of the state	
10.		algorithm of a	b.	Liang - Brasky		1 100
	a. Cohen - Sutherlad			both 'a' and V		
	c. Bresenham's Possible solution of linea	e oquation is		Don't w with .		
11.		r equation is	h.	no solution		
	a, unique solution			all of the above	and one missing plants.	W 2 7 7 1
10.	c, ill condition Which is not related to N	audon cotos fo			114-1515-80125	5
12.		SMIOU cores in	h	Trapezoidal	Lingue Pale (	
	a. Simpson			Boole	A CONTRACT OF	
ele.	<ul> <li>c. Colesky</li> <li>Which one of the following</li> </ul>	an le not intern		2		
13	the dealers of the second of	Warance meth	organia initiala	ngta normatiki	maintagle (6.45)	
		difference me	Al-hal	5'		300
		. unterette tite	(E10-07)() 4.5	alique, est ibi		
		Marence meth	nd	C D 18:30/18 1		7 - 1
22		formula of in	tegration	>	- PERIOD	
14	. Trapezoidal rule is	II IMITING OF ILE	Simmon			

a, two-point b. three-point c. four-point d. five-point Attempt ALL the questions. Group "B" Solve the following 3x3 system using the basic Gauss Elimination Method. 3a+6b+c=16 2a + 4b + 3c = 13 a + 3b + 2c = 9OR-Find the square root of 2.5 using the second order Lagrange Interpolation Polynomial from the following data: X F(x) 1,4142 1.7321 2,2361 Write Newton-Rapshon algorithm to calculate the root of non-linear equation. 2. Define Computer Graphics. Write the application areas of Computer Graphics. 3. 4. List and explain basic illumination models. List the hidden surface removal methods and explain any two of them. 5. What are the objectives of Work Breakdown Structure? Write the conventional WBS issues. List and explain software life-cycle phases. 6. Write major improvements in next-generation software cost Group "C" 2×12=24 Explain the difference between Raster and Vector scan display principle with suitable diagram. OR Explain basic two-dimensional geometric transformation with example. Explain the principles of modern software management. Exam 2072 Group "A" Attempt ALL the questions. Tick (√) the best answer. Which one is the principle of modern software management? a. Architecture-first b. Iterative process c. Component based development d. All of the above Which one is the essential activity done in the elaboration phase of the software life-cycle? a. Elaborating scope b. Elaborating Plan c. Elaborating vision d. Elaborate Testing Which one is software costing parameter form following? b. Environment c. Quality d. All of the above-Which is not a phase of software lifecycle process? a. Inception b. Elaboration c. Construction d. Risk mitigation Which is not a staffing principle given by Boehm? a. Job matching b. Top talent c. No phase-out d. Career progression Which is not the visible surface detection algorithm? b. Scan-line d. Diffuse Which graphic hardware works as input as well as output device? a. Digitizer b. OCR c. Touch screen d. Light pen Which is not and illumination Model from following?

7.

8.

2.

3.

5.

6.

7.

8.

9.

10.

11.

a. Ambient

a. Drawing

a, Unique Solution

c. III Condition

b. No Solution d. All of the above

b. Diffuse

b. Translation

b. Gouraud

Which is not a Basic geometrical transformation?

Normal vector interpolation shading is a....shading.

Possible solution of linear equation is...

c. Phong

c, Scaling

d. Specular

d. Rotation

d. Fast Phong

			5			removable a	
40	Which is not relator	to Newton cotes form	nula of integ	ration?	parties.	aspet 1	150
12.	a. Simpson	b. Trapezoidal	c. D	olittle	d. Bo	oole	
13.	Integral of $\int_{1}^{2} (x^{2})^{2}$	+1) dx is	The State of	And American Life	A TOP SEEDS	Na Liveria	
13.		b. 4.75	c. 9.7	5	d. N	one of the abo	ove
	a. 6.25	formula of integration	on.		4. 4		
14.	a. two-point	b. three-point		, four-point	d. five	-point	( # ( )#Ġ
Attem	pt ALL the questio		Group "B"	et garage P.S.		atte (en )	6×7=42
1	Write a bisection a	lgorithm to calculate t	he root of no OR	on-linear equa	tion.	27 141 200	
	Cind the course to	ot of 3.5 using the sec	ond order L	agrange Inter	polation f	Polynomial fro	m the
	following data:	ele ségapletar G1671		A GOOD TANK	E PER TAN		
	lollowing data.	X 1	2	3	4	94.1.5c.	97 %
		Elex 1	1,4142	1,7321	2	2.2361	113
	The state of the state of	shon algorithm to calc	culate the re	of of non-linea	ar equation	on.	
2.	Write Newton-Rap	shon algorithm to call	Julate the re		a. est k	A SEES LOUIS	
3.	Explain Raster sca	an display principle.	sterile de la Company	Les dell'ore l	s english	alia anti ene il	tipe
4.	List and explain be	asic shading models.	- 00	actual elevation and		in extre to a	MALL A
			UK	la sundana sé	thom		
	List the visible sur	face detection method	ds and expla	ain any two or	uleili.	anal W/RS ice	1105
5.	What are the obje	ctives of Work Break	JOWII Suucu	ire? Write the	convenu	Olidi 1400 199	uco.
6.	List and explain s	oftware life-cycle work	dows.	Halash make			Saul Terri
0.		TEA VIEW REIN NEW TENNING	UK		TELL STATE		9499
	Write major impro	vements in next-gene	eration softw	rare cost mode C" 2×12=24	els.	कारत दासको <mark>।</mark> संबंध दासको स्था	0.12
11.4		ence between Raster	and Vector	scan display p	rinciple.	wer the princi	med .E
7.	Explain the difference	uce between Kaster	OR	Journ and hard		2	5
							9 X
	Explain Basic two	dimensional geomet	IIC ualision	mont .	3.060	No. United 1	Allegator 6.
8.	Explain the princi	ples of modern softwa	are manage	Menr	akrimitin	a New Arrist A	
_		ON A SAN	- To al	mology	CCTI	Ed. 334)	100 já :
	(d)JAV	A and Dot N	Exam 20	1010gy	in to top	eric Named	SERVICE LAND
			= Adm 4	00		o 4. Intertella	
Atte	empt all the question	ns. Tick (√) the best	answers.	The state of the s			31.7
1.	What was the or	iginal name of Java r				Mar ai no	pytyr t
	a. Gosling mania	C C C C C C C C C C C C C C C C C C C		Oak	EAS.	A .	
	c: JavaScript		d. l	_isp 2.0		Name of Street	
2.	What are the pri	mitive data types?			102 (1)		
۷.	a. byte, short, in	long	b.;	float, double	$\wedge$	11012000	
			d	char		10 THE REAL PROPERTY.	
1	c. Boolean	out of this code fragme	ent? int X=3	int Y=10; sys	tem out	print In(y%x);	
3.		ut of this code magnin	b.		. 16	A CONTRACTOR	
	a. 0		-1	•		1000	
	c. 2.	All a Stripe of	u.	s another class	e lin the	same packag	e. Which is the
4	You want a class	ss to have access to	members o	anomer clas	o par ure i	Paris Proposition	- 15 to
	most restrictive	access the accomplis	unes mus on	ecuvo:		ne terbirt,	
	a. Public	SECTION SHOW	D.	Lindra		ALC: NO. 18	
		19年1	d.	Default acces	5	1763/E	12 dist
٠.	C. Protected	rith the same name b	ut with differ	ent parameter	rs is calle	d me can	
5.	I wo memods w	iui die same name b	b			Track	VIA I
	a. overloading		100	d. duple	exing	25E 5 Liv #	
	c. multiplexing	1. 11.6 to make marks	o inlament	exception		1,000	=1
6.		rd which is not used t	o ibiettietit e	catch			agent
	a. try		U	duplexing			NE C
	. c. finally	7 - 20	Q	. uupiekiiig	PAS STA		S 48 . 31
7.	The following j	ava program can be e	mbedded ir	a web page		Some 2'5's	271/12
	a, final code	3.0	**** I I I I	), DIOMSEI			AND THE
	a anniete	4.2		d. package			

8	8. Which is not a main component	t of the visual studio IDE?	The second of the second	
	a. solution Explorer	b. Tool Box	NAMES OF STATES	
75.	c. Start Menu	d. Properties w	the control of the control	
9	<ol><li>System 10 is an example of</li></ol>	a. i Topettes w	IIIQOW	
	a. Namespace	b. MSI	Los Soul and	
	c. CLR	d. Class	LUIS THE STREET STREET	
1	10. Which of the following control or	u. class	- Artes Chair Later and Color	
	a. Group Box		Armen and a second	
	c. Panel	b. TabPage	THE THINK STREET	
11		d. all of the abo	ve	
	format	e value to its equivalent strir	ve ng representation using the specil	ie
	a. to String		20184-2024, 2	
	c. to Modifier	b. to Call	11 XB1 - 2	
12	2. What are the arrument of inputs	d. to Change	CHECK CONTRACT CONTRACT A	
•••		OX	STATE OF THE PROPERTY OF THE PARTY OF THE PA	
	a. Prompt, Title, default-text, x-po	osition and y-position	MONTH CONTRACTOR SE	
	b. Prompt, Title, default-text	englio	化对面对抗 医动物性动物 分類性	
	c. Prompt, default-text		ARREA 2	
49	d. Prompt, Title		1/66/066.1	
13		f the Net framework data provi	der model?	
W	a. Data Adapter and Data Reade	•	AVEL &	
	b. Connection and Command		一种标准 。	
	c. Data Adapter, connection and	command	ing independent out desired in	
1	d. Data Adapter, Data Reader, co	prection and command	Ain base also lie	
14.	. Which of the following object is us	sed by the Data Adapter to ret	dove the data from the con-	
	at commissing .	b. connection	leve the data from database?	
	c. Data Reader	d, Selection	606029611H (c	
Att	tempt all the questions.	an ociocio)	* 1 T +	
*		Group "B"	e All in Marijust and a facility of the	
1.	What do you mean by Common L	anguage Buntime (C) Die	6×7=4	2
	ar you mount by common L			
	Describe the different types of ope	OR	la felt request site at trest	
2.	What are the different types of Loc	analois in VD. Net.	alvas svad. Light	
	. Describe with suitable example.	op statement in VB, Net?	The breast will make at	
3.	What is an object oriented progra	and the second	Sunt Talls (NC cosh cult) en	
	What is an object oriented programme language.	amming r List major feature of	if the object oriented programmin	ġ
	H (n = A/n	SELE LE PROPERTO	2450 X (250 )	7
	Describe the set and get properties	Laboration NA Propinsion	State of the state	
4.	How to read user input from Course	s with example.	A STATE OF STATE OF THE STATE O	
	How to read user input from Conso Explain with suitable example.	ole in Java using Scanner?	Annial and the control	
5.	Evoluin with an avenue oxampie.	West Line Age of the Catalogue		
6.	Explain with an example, how we in	mplement an applet into a wel	page using applet tag.	
٠.	Name three standard packages su	pported by Java discuss them	briefly.	
		OD .	17 医成份分配 (And St.)	
	What are the different types of inhe	eritance in Java?	場を主義の第11年 (41 7 mm)	
	_ <u></u>	Group "C"	2×12=24	ě
7.	What is ADO.Net? Describe the da	tabase connection using OI Fr	IP and Sat Client with	ř.
_	What is an Inheritance? Describe to	ha different house of table	a with avanuals in VD M.	Ö
8.		va? Create a nackage and e	th package in law wife with	
	examples.	- Promise alla e	an hackage in Java with suitable	
			是中国的自己的特别的 15	
		Group "A"	sit unutakele	
Atten	mpt ALL the questions. Tick (s/) the	Group A.	- 14	
1,	mpt ALL the questions. Tick (V) the	Dest allswers,	(Managha and Gallanda)	
5	Which of the programming language principle?	age is developed with Write	Once, Run Anywhere (WORA)	
	a. Java	ARTON AND THE STATE OF THE STAT		
	c. VB.Net	b. c#	•	
		d. c++	学者的 用产品分配 电电子 医二二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲	
		article 1		

	2.	Consider the following program	lease that they are set a transfer as
		public class Show SomeClass	TO NUMBER OF THE PARTY OF THE P
		Manda for the class 1	The state of the s
		What is the name of the Java file containing	this program?
14	1.5	a, myLibrary.java	D. SUOMSoulieciass
	•	c ShowSomeClass.iava	d. ShowSomeClass.class
	3.	Which is a valid declarations of a String?	and the recommensation of the relation of the
	٥.	a. String s1 = null;	b. String s2 ='null';
		Obside a 2 = (Cfring) 'ahe's	d. String s4 == (String) vveed;
	4.	All the standards classes of Java are include	d within package called
	C TANK	a, java, lang	D, Java.io
		c Java*	d. All of the above
	5.	What is the ways to create threads in Java?	n depth of all
	э.	a. By extending Threads class	b. By embed with class
		- Du implementing Punnable interface	d. Both (a) and (c)
	•	Which of the Java program can be embedde	ed in a Web page?
	6.	a. Applets	p, blowsei
			d. final code
	.2	c. package C# belong to which framework?	area to flegal a president your of sie build
	7.		b. NET
		a. Java	d Open Framework
		c. MVC Which are the standard prefixes for the But	on and Gombo box controls respectively?
	8.	Which are the standard prefixes for the	b, btn and cbo
		a, bin and chb	d, bto and cbo
		c. bto and chb	ER Planta destroy make Secure and an experience >
	9.	System.IO is the example of	b. MSI
		a. Namespace	d. class
		c. CLR Which of the following is a comparison ope	
	10.		b.>
		a, And	La Te d. &
		C. +	
	11.	MDI is an acronym that stands for	b. Many Document Interlink
		a. Multiple Device Interface	d. Match Document Interlink
		c. Multiple Document Interface How does VB .NET instantiates the. NET	shiort?
	12.	How does VB .NET instantiates die. Ive.	b. Using GETOBJECT keyword
		a. Using NEW keyword	d. Both A and B
	- 16	c. Using CREATEOBJECT keyword Which of the following is the object of .NE	C data provider?
	13.	Which of the following is the object of the	b. Command
		a. Connection	d. All of the above
		c. Data Reader	
	14.	Which of the following is not true for ADO  a. DataSet provides a disconnected vie	w of a data source
		DataSet provides a disconnected visit.     DataSet enables to store data from r	outline tables and multiple sources
ď			the tables in a DataSet
		c. We can create relationship between	ALTERNATION OF A STREET OF A S
		d. All of the above are true	EARLES .
	Att	tempt ALL the questions.	Group "B" 6×7=42
			anops
	.1.	What are the major feature of .NET Fram	OR the same transfer of the manual transfer of the original transfer original transfer of the original transfer original tr
		THE REPORT OF THE PARTY OF THE	
	RHAD +	What are the different data types in VB.N	lov .
	2.	Write a short note on Msgbox and Input	ADO NET?
	3.	What is the role of the DataSet object in	OR
			solitor? Evolain with suitable example.
		What are the different types of access s	eent an applet into a web page using applet tag.
	4.	Explain with an example how we implem	ent an applet into a west page to benefiting the world w
	5,	Explain the wy,	A Miles of the State of the Sta
		example.  Write a short note on switch statement v	ith example.
		MINIST A CHAPT NOTA AN SWILLI STATEMENT V	ran r western register.

indirector are 1. Adapted. OR How do you define the methods in Java class? Group "C" What is an inheritance? Describe the different types of inheritance with example in VB.Net. OR What is an ADO.Net ? Describe with its architecture. 8. What are the difference between while and do while loop in Java? Explain with suitable example. Exam 2072 Group "A" 14 Attempt ALL the questions. Tick (√) the best answer. 1. Which is not a main component of the Visual Studio IDE? a. Solution Explorer b. Tool Box c. Start Menu d. Properties Window Which is a valid statement for declaring a variable? 2. a. Const Form As Integer b. Const my Form As Integer c. Dim Form As Integer d. Dim my Form As Integer is a temporary set of dta stored in the memory of the computer. 3. a. Record source b. Dataset c. Connector d. Table adapter Which property does the TextBox, ComboBox, and ListBox controls use to specify a data adapter a. the DataSource property b. the CurrentCell property c. the CAptionText property d, the Advanced DAtaBinding property 5. SQL statements that select data from a database and return the selected data to your program are called queries. a. parameterized b. selection c, action d, application Which is/are the argument of inputbox 6. a. prompt, Title, default-text, x-position and y-position and the position and the part of b. prompt, Title, default-text State of the second set is a compound on the second c. prompt, default-text d. Title, default-text
What are the core components of the Net framework data provider model? 7. a. DataAdapter and DataReader b. Connection and Command D. Connection and Command
 DataAdapter, Connection, and Command
 DataAdapter, DataReader, Connection, and Command d. DataAdapter, DataReader, Connection, and Command Which is the following object is used by the DataAdapter to retrieve the data from database? 8. a. Command . b. Connection c. DataReader d. Selection What was the original name of Java? 9. a. Gosligmania b. Oak c. JavaScript d. Lisp 2.0 What are primitive data types? 10. a. byte, short, int, long b. Boolean of sections of assert and c. float, double d. char 11. What is the optput of this code fragment? Int X=3; int Y=10; System println (y%x); a. 0 b. 1 12 You want a class to have access to members of another class in the same package. Which is the most restrictive access that accomplishes this objective? a. public b. private c. protected d. default access Find the keyword which is not used to implement exception. 13. b. catch

c. java.util.\* d. java.\* the all actions of a step of the country of a few a

What must be imported to get most graphics components?

b. java.awt.\*

14.

a. Java. Graphics

2×12=24

- What do you understand by variable? Describe Data types, scope, lifetime and visibility of the 1.
- Describe the set and get properties with example. 2.

Describe the purpose of Text Box, List Box, Combo box Control in VB,net,

- What is control structure in VB. Net? Explain IF ELSE statement with suitable example. 3.
- Describe the Color and Font Dialog box. Elaborate by giving the appropriate programming example. 4.

What are the features in, Net Framework?

How to read user input from Console in Java using Scanner? Explain with example. 5.

Write a program which will show the concept of simple Java applet and implementation of applet. 6.

What is Java Exception Handling? What is the difference between Erros, Unchecked Exception and 7. Checked Exception?

What are the different types of inheritance in Java?

Group "C"

What is ADO.Net? Describe the database connection using OLEDB and SqlClient with example. 8.

What is ADO.Net? Describe with its architecture.

How do you define package in java? Create a package and sub package in java with suitable example.

# (e)e-Learning (ICT.Ed.333)

#### Exam 2069 Group "A"

Attempt all the questions. Tick (√) the best answers

Which are the component frameworks for e-learning?

- a. pedagogical, technological, interface design, evaluation, management, resource, support, ethical, institutional
- b. logical, pedagogical, technological, interface design, evaluation
- c. relational, management, resource support, ethical, institutional
- d. none of the above
- What is the correct syntax for referring to an external script called "ict.is"?
  - a, <script type="text/javascript" href "ictis">
  - b, <script type="text/Javascript" src="ictis">
  - c. <script type="text/Javascript" name="ictis">
  - d. <script type=" text/Javascript" add="ictis">
- How do you write a conditional statement for executing code if "7" is NOT equal to 5? 3.

b. if (i !=5) a. if (i 5) d. if 5

c, if=! 5 then

Which CSS property controls the text size? 4.

a. font-style

b. text-style

c. font-size

6.

d. text-size

What king of servers make it possible to create Web addresses using words instead of number4s? 5. b. XML servers

a. FTP servers

c. domain name servers

d, all of the above

What is a correct way to add a comment in PHP?

b. /\* ... \*/

a. <1- .. -> c. <comment> .. <comment>

d. \* . \*

How do you get information from a form that is submitted using the "get" method? 7.

a. \$-GETI]:

b. Request, Form;

c. Request. Query String;

d. \$GET[];

What is the correct way to create a function in PHP? 8.

a. create my Function () b, function my Function() c. new function my Function() d. int my Function() 9. When do we use a HAVING clause? a. To limit the output of a query b. To limit the output of a query using an aggregate function only c. When GROUP by is used d. both b and c above How do we submit form data without a Sumbit button? 10. a. Using header() function b. Using Javascript c. Using set submit - form actiono function- d. Both a and b above What is the correct way to connect to a MySQL database? 11. a. dbopen (\$strHostName, \$strUserName, \$strPassword); b. mysglopen(\$strHostName, \$strUserName, \$strPassword; c. mvsql - connect (\$strHostName, \$strUserName, \$strPassword); d. mysqlconnect (\$strHostName, \$strUserName, \$strPassword): 12. Which is not LMS tool? a. Joomla b. Ruby c. moodle attacks use fake emails and counterfeit websites to trick you into giving them information like credit 13. card numbers, account usernames, passwords or social security numbers. 14. What is term for the security measure that hides the identity of sensitive information sent across Web servers? a. distortion b. ciphers c. encryption d. protection Attempt all the questions, Group "B" What are the different between Web 2.0 and e-Learning 2.0? Describe the 5 characteristics of e-Learning 2.0. Describe the different e-Learning paradigms. 2. Write Java script to find and display the greatest number among 10 different number that are enter into your browser screen from prompt dialog box. How do you define and call function in the Java Script? Explain with suitable example. Define a CSS. Explain the different types of style sheet. What is an Array? How do you use in PHP? Describe the use of function in PHP. What are major components of LMS? Describe. What is counter measures on online channel of e-Learning? Group "C" Discuss about MYSQL database function to connect with PHP script with Login form management i.e. if user id and password are correct to display next page. What is an Array in PHP? Describe the string manipulation function with example. What are different types of looping structures in Java Script? Exam 2071 Group "A" 14 Attempt ALL the questions. Tick (1) the best answers. What are the difference between wiki and blog? a. Wiki constructing knowledge, a blog distributing news b. blog constructing knowledge, a wiki distributing news c. Blog is Web 1.0 and Blog is web 2.0 d. both handle American Government What is the correct JavaScript syntax to write "Hello World"? a. ("Hello World") b. response. write("Hello World") c. document. write("Hello World") d."Hello World" Which pair of events is commonly used to create rollovers? a. onLoad/onUnload b. onMouseOver/onMouseOut

3.

4.

5.

6.

7.

8.

1.

d. Swap Image/Swap Image Restore c. onClick/onMouseDown What is the correct HTML syntax for referring to an external style sheet? a, <stylesheet>mystyle.css</stylesheet/> b, b, ink rel31" stylesheef" type="text/css" href="mystyle.css"> c, <style src="mystyle.css"/> the mid a hardly state mid bades on the d. <style rel="mystyle.css"/> Which is the correct CSS syntax b\_{body:colof=black(body) a. body (colonblack) d, body xolor=black c. (body:color:black) account A. Afford and Sec. Account Which is NOT Web server? 6. b. Microsoft-IIS a. Apache d. Mozilla c. Nginx, How do you get information from a form that is submitted using the "get" method? b. Request, Form; the series and series a. S GETTI: d. SGETTI: c. Request QueryString; What is the correct way to include the file "time.inc"? b. <?php require("time.incM);?> a. <?phninclude file ("time.inc") d. <% include file-"time.inc"%> c. <!--include file="time.inc"--> What is the correct way to add-I to the Scount variable? b. Scount++: a. count++: d. ++count c. Scount=+1 What is the correct way to connect a MySQL database? b, connect\_mysql("localhost"); a. dbopen("localhost"); d. mysql\_connect("iocalhost"); c. mysql\_open("localhost"); How can we get the number of records or rows in a table? 11. b. Using NUM a, Using COUNT d. Both a and c above c. Using NUMBER sale Personal regularity of the West of the What are feature of a LMS? 12. centralize and automate administration use self-service and self-guided services consolidate training initiatives on a scalable web-based platform C. all of the above Which is the most popular LMS tool? 13. b. wiki a. Facebook d. RSS c moodle ....... is a type of malicious software that installs itself on your computer without your informed 14. consent and uses your computer to generate a profit for the software makers. c. Virus b. Trojan a. Spyware Attempt ALL the questions. Group "B" What are the different types of e-Learning Methods? Describe it. 1. OR Describe the e-learning framework. What looping structures are there in JavaScript? 2. OR How do you define and call function in Java Script? Explain with example. What is CSS? Explain. 3. What are the differences between Get and Post methods in form submitting? 4. OR What are the different types of errors in the PHP? Write a short on LMS. List out most popular e-learning tools. 5. How do you protect the online channel? 6. Group "C" How can we create a database using PHP and MySQL? Explain with suitable example. 7. OR What are the different types of control structure in PHP? Explain with suitable example. What is a Java Script? Create three mouse control events to control the client side form.

8.