

## BAU-003-003109

Seat No. \_

## B. C. A. (Sem. I) (CBCS) Examination

November / December - 2015

CS-03: Computer Fundamentals & Emerging Technology

(New Course)

Faculty Code: 003

Subject Code: 003109

Time :  $2\frac{1}{2}$  Hours]

[Total Marks: 70

1 Attempt all MCQ Questions.

20

- (1) CD-ROM stands for
  - (A) Compactable Read Only Memory
  - (B) Compact Data Read Only Memory
  - (C) Compactable Disk Read Only Memory
  - (D) Compact Disk Read Only Memory
- (2) ALU is
  - (A) Arithmetic Logic Unit
  - (B) Array Logic Unit
  - (C) Application Logic Unit
  - (D) None of above
- (3) VGA is
  - (A) Video Graphics Array
  - (B) Visual Graphics Array
  - (C) Volatile Graphics Array
  - (D) Video Graphics Adapter

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	(A)	Dot per inch		
	(B)	Dot per sq. inch		
	(C)	Dots printed per	unit tin	ne
	(D)	All of above		
(4.0)	-			
(10)	In a	nalog computer		
	(A)	Input is first conv	verted t	o digital form
	(B)	Input is never cor	verted	to digital form
	(C)	Output is displaye	ed in di	igital form
	(D)	All of above		
(11)		atest generation co uted	mputer	s, the instructions are
	(A)	Parallel only		
	(B)	Sequentially only		
	(C)	Both sequentially	and pa	rallel
	(D)	All of above		
(12)		error in software or l ne alternative comp		re is called a bug. What rgon for it?
	(A)	Leech	(B)	Squid
	<b>(C)</b>	Slug	(D)	Glitch
(13)	Mod	ern Computer are	very rel	iable but they are not
	(A)	Fast	(B)	Powerful
	(C)	Infallible	(D)	Cheap
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(9) The output quality of a printer is measured by

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	(C)	Infallible	(D)	Cheap
	(A)	Fast	(B)	Powerful
(13)	Mod	ern Computer are v	very rel	iable but they are not
	(C)	Slug	(D)	Glitch
	(A),	Leech	(B)	Squid
(12)	(12) An error in software or hardware is called a bug. What is the alternative computer jargon for it?			_
(19)	An a	annon in coftwore on l	and was	es is called a burn What
	(D)	All of above		
	(C)	Both sequentially	and par	rallel
	(B)			
	(A)			
(11)	In latest generation computers, the instructions ar executed			
	(D)	All of above		
	(C)	Output is displaye	d in di	gital form
	(B)	Input is never con	verted	to digital form
	(A)	Input is first conv	erted to	o digital form
(10)	In a	analog computer		
	(D)	All of above		
	(C)	Dots printed per u	unit tin	ne
	(B)	Dot per sq. inch		
	(A)	Dot per inch		

(9) The output quality of a printer is measured by

	(A)	Dot Matrix Printer		
	(B)	Laser Printer		
	(C)	Daisy Wheel Printe	er	
	(D)	Drum Printer		
(15)	Wha	at is meant by a de	dicated	computer?
	(A)	Which is used by	one per	rson only
	(B)	Which is assigned	to one	and only one task
	(C)	Which uses one kin	nd of s	software
	(D)	Which is meant for	r appli	cation software
(16)	The act of retrieving existing data from memory is called			
	(A)	Read-out	(B)	Read from
	(C)	Read	(D)	All of above
(17)	Inst	ructions and memor	y addr	ess are represented by
	(A)	Character code		and the second second
	(B)	Binary codes		
	(C)	Binary word		evitsosethe altreactive
	(D)	Parity bit		
	, k	comb lesses on		
(18)	Prog	grams designed to pe	erform	specific tasks is known
	as			
	(A)	system software	(B)	application software
	(C)	utility programs	(D)	operating system
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	(16) (17)	(B) (C) (D) (15) What (A) (B) (C) (D) (16) The calle (A) (C) (17) Inst (A) (B) (C) (D) (18) Pros as (A) (C)	(B) Laser Printer (C) Daisy Wheel Printer (D) Drum Printer  (15) What is meant by a de (A) Which is used by (B) Which is assigned (C) Which uses one king (D) Which is meant for  (16) The act of retrieving excalled (A) Read-out (C) Read  (17) Instructions and memory (A) Character code (B) Binary codes (C) Binary word (D) Parity bit  (18) Programs designed to peras (A) system software	(B) Laser Printer (C) Daisy Wheel Printer (D) Drum Printer  (15) What is meant by a dedicated (A) Which is used by one per (B) Which is assigned to one (C) Which uses one kind of so (D) Which is meant for application (A) Read-out (B) (C) Read (D)  (16) The act of retrieving existing called (A) Read-out (B) (C) Read (D)  (17) Instructions and memory addressing (A) Character code (B) Binary codes (C) Binary word (D) Parity bit  (18) Programs designed to perform as (A) system software (B) (C) utility programs (D)

(14) Which is not a type of Impact Printer?

	(19)	Perforated paper used as input of output media is known as				
		(A) paper tapes (B) magnetic tape				
		(C) punched papers tape (D) card punch				
	(20)	A computer which CPU speed around 100 million instruction per second and with the word length of around 64 bits is known as				
		(A) Super computer (B) Mini computer				
		(C) Micro computer (D) Macro computer				
2	(a)	Attempt any Three:	6			
	,	(1) Give the definition of computer.				
		(2) Explain block Diagram of computer.				
		Explains characteristics of computer.				
		<ul><li>(3) Explains characteristics of computer.</li><li>(4) Explain Generation of computer.</li></ul>				
		(5) Which are the Input Devices? Explain it.				
		(6) Which are the Output Devices? Explain it.				
		(b) Which are the Output Devices: Explain it.				
	(b)	Attempt any three:				
		(1) Explain Storage Devices in brief.				
		(2) Convert as per following				
		Decimal to Binary				
		(a) 35679 (b) 95678 (c) 3256				
		(3) Convert as per following				
		Decimal to Octal				
		(a) 35679 (b) 95678 (c) 3256				
DAII	009.6	002100 1 7 1 002100				

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		(6)	Explain types of magnetic storage devices.	
		(5)	Explain types of memory slots.	
		(4)	Explain types of processors.	
		*	detail.	
		(3)	What is OS? List out all OS and explain in	
		( <b>-</b> )	detail.	
	*	(2)	List out Computer Languages and explain in	
9	(α)	(1)	Explain types of Memory.	0
3	(a)	Atta	empt any Three :	6
			(a) 56748 (b) 6234	
		(5)	Octal to Binary:	
			(a) 98AF5 (b) 456DCA23	
		(4)	Hexadecimal to Octal:	
			(a) 42678 (b) 23012	
		(3)	Convert into EBCDIC code :	
			(a) 42678 (b) 23012	
		(2)	Convert into BCD code :	
			100111011 + 1001110101	
		(1)		
	(c)	Atte	empt any two:	10
			(a) 100111011 (b) 10011.10101	
		(6)	Convert into 2's Complement:	
			(a) 100111011 (b) 10011.10101	
		(5)	Convert into 1's Complement :	
			(a) 35679 (b) 95678 (c) 325	
		(-)	Decimal to Hexadecimal	
		<b>(4)</b>	Convert as per following	

(b)	Attempt	any	Three	
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(1)

- Explain types of number system in brief.
- (2) Explain GIS and GPS
- (3) Explain all high level language.
- (4) Explain fiber optic with example.
- (5) Explain CDMA and GSM.
- (6) Explain Bluetooth.

## (c) Attempt any Two:

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- (1) Explain types of virus in detail.
- (2) Explain types of software packages.
- (3) Explain how to protect your system from virus.
- (4) Explain types of codes.
- (5) Explain non CRT display units.