CET (UG)-2016

Sr. No.:

170939

Booklet Series Code : A

Important:	Please consult your Admit Card / Roll No. Slip before filling your Roll Number on the Test Booklet an	id
	Answer Sheet.	-

Roll No.

In Figures

In Words

O.M.R. Answer Sheet Serial No.

Signature of the Candidate :

Subject: COMPUTER SCIENCE

Time: 70 minutes

Number of Questions: 60

Maximum Marks: 120

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

INSTRUCTIONS

- Write your Roll No. on the Question Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
- Enter the Subject and Series Code of Question Booklet on the OMR Answer Sheet. Darken the corresponding bubbles with Black Ball Point / Black Gel pen.
- 3. Do not make any identification mark on the Answer Sheet or Question Booklet.
- 4. To open the Question Booklet remove the paper scal gently when asked to do so.
- Please check that this Question Booklet contains 60 questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of test.
- Each question has four alternative answers (A, B, C, D) of which only one is correct. For each question darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with Black Ball Point / Black Gel pen.
- If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Sheet. No marks will be deducted in such cases.
- Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the questions given in the Question Booklet.
- Negative marking will be adopted for evaluation i.e., 1/4th of the marks of the question will be deducted for each wrong answer. A wrong answer means incorrect answer or wrong filling of bubble.
- For calculations, use of simple log tables is permitted. Borrowing of log tables and any other material is not allowed.
- 11. For rough work only the sheets marked "Rough Work" at the end of the Question Booklet be used.
- 12. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above account, i.e., not following the instructions completely, shall be of the candidate only.
- 13. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
- 14. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so, would be expelled from the examination.
- 15. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
- Telecommunication equipment such as pager, cellular phone, wireless, scanner, etc., is not permitted inside the examination hall. Use of calculators is not allowed.

SEAL

1.	Basi	c purpose of Microprocessor is to :		GSA, COMPANY ON THE
	(A)	Store information	(B)	Print data
	(C)	Compute data	(D)	Send an o-mail
2.		adays, the most attractive physical layer renetworks is :	nedia usc	d for high speed, low error rate and geographically
	15000	Satellite Media	(B)	Optical Fiber
	(C)	Wireless Networks	(D)	Copper Media
3.	Wh	ich piece of hardware protects the resou	rces of a	private network from users of other networks?
		Cache server		Proxy server
	(C)	Firewall	(D)	Router
4.	Int	he below statement, i	s a proto	col.
		http://www/pu.ac.in		
	(A)	WWW	(B)	ac.in
	(C)	http	(D)	pu.ac.in
5.	Ast	tep by step procedure used to solve a pro	oblem us	ing computers is known as :
			(B)	Application Program
	(C)	System Software	(D)	Algorithm
6.	An	Unsolicited commercial/non-commercia	l e-mail i	s known as :
	(A)		(B)	Control of the Contro
	(C)	E-mail with virus	(D)	Faulty e-mail
7.	Wh	ich of the following function prototype i	s perfect	ly acceptable in 'C++' ?
		int Function(int Tmp = Show());	(B)	2 2 4 4 20 C C 4 6 -W
	(C)		(D)	Both (A) and (B)
Cor	mpater:	Science/BJL-865-A	3	[Tum over

8.	Λ_	is a network that conne	cts compute	ers in a limited geographic area, such as a school
	com	puter laboratory, small office, or com	puters at he	ome.
	(A)	Local area network (LAN)	(B)	Wide area network (WAN)
	(C)	Partial area network (PAN)	(D)	Boundless area network (BAN)
9.		want to use multiple operating system way to achieve this is :	i like linux,	windows etc. concurrently on single machine. The
	(A)	Make machine multiple bootable like us	ing GRUB	
	(B)	Use virtualization software like VMWar	e	
	(C)	It is not possible		
	(D)	None of these		
10.		ay's desktop computers have typicall ount of hard-disk memory. Approxim		nt of main memory, 'Y' speed of processor and 'Z' Z can be respectively, :
	(A)	4GB, 3kHZ, 1000GB	(B)	4MB, 3MHz, 1000MB
-	(C)	4GB, 3GHz, 1000KB	(D)	4GB, 3.3 GHz, 1000GB
11.	Wh	ich of the following is not a hardware	?	
	(A)	Hard-disk	(B)	RAM
	(C)	Processor	(D)	MS-Office
12.	Wh	at is the meaning of putting your lapt	op using M	S-Windows operating system in hibernate state?
	(A)	Stores open files & settings in RAM an	d goes to sle	ep mode
	(B)	Stores open files & settings in RAM an	d turn-off the	Elaptop
	(C)	Stores open files & settings in Hard-dis	sk and goes t	o sleep mode
	(D)	Stores open files & settings in Hard-dis	k and turn-o	ff the laptop
13.	Ino	order to enhance performance of the c	omputer, D	oisk defragmenter:
	(A)	Consolidates parts of files lying at differ	rent locations	s on computer's hard disk
	(B)	Deletes temporary files related to Intern	et	
	(C)	Deletes temporary files related to backs	ф	
	(D)	All of the above		
Con	puter !	Science/BJL-865-A	4	

14.	Wh	ich of the following lists memory type	es from high	nest to lowest speed?	
	(A)	Secondary storage, main memory, L2 c	ache, registe	rs	
	(B)	Registers, L1 cache, secondary storage,	main memo	nry	
	(C)	Registers, L2 cache, main memory, second	ondary stora	ge	
	(D)	L1 cache, registers, main memory, seco	ndary storag	e	
15.		ining un-authorized access to a comp ne?	outer system	n would fall under wh	ich category of computer
	(A)	Data theft	(B)	Theft of services	
	(C)	Destruction of data and software	(D)	Hacking	
16.		omebody wants to see which URL's h n which of following features is the mo			a particular web browser,
	(A)	History	(B)	Back Button	
	(C)	Forward Button	(D)	Refresh Button	
17.	Wh	at does a lock 🗂 symbol mean in the	address ba	r of a web browser ?	
	(A)	It shows that current URL is locked			
	(B)	It indicates that the identity of URL prov	ved by some	third party	
	(C)	It is just a graphical symbol			
	(D)	It indicates that URL is a fake link			
8.	Wh	ich of the following would best fit the f	ollowing de	scription ?	
	"Pr	oprietary Software is copied & given t	o a friend w	ithout permission of co	pyright owner."
	(A)	Freeware	(B)	Piracy	
	(C)	Shareware	(D)	Public domain	
9.	In ti	ne e-mail address password@gmail.co	om "passwo	ord" refers to:	
	(A)	Password	(B)	Client Computer	
	(C)	User Name	(D)	Server Name	
Comp	puter S	science/BJL-865-A	5		[Turn over
			-		

20.	An	oper	ating	syste	em is surge formal et a	from higher	my type	inte mega	anterolle) a	di le dal	dW	14,
	(A)	Acc	ollecti	ion of	hardware components	(B)	A collec	tion of inpu	ut-output dev	ices		
	(C)	Ace	ollecti	ion of	software routines	(D)	All of th	e above	uselana kalun	Registro	(6)	
21.					has a column 'name' ave an "S" somewher							o find
	(A)	Sel	ect * f	rom s	student where name like	: '%S%'						
	(B)	Sel	ect * f	from s	student where name = "	%S%'						
	(C)	Sel	ect " i	rom s	student where name like	e'\$S\$%'						
	(D)	Sel	ect * i	from :	student where name = "	\$S\$'						81
22.	AU	PS:										
	(A)	Inc	reases	the s	torage capacity of a con	nputer system						
	(B)	Inc	reases	the p	process speed	eric sellari						
	(C)	Pro	vides	back	up power in the event of	f a power cut						
	(D)	Inc	reases	s I/O	speed							
23.	Ac	ooki	e is n									
	(A)	Tec	hniqu	ie use	d to make internet conn	ection fast						
	(B)	Pie	ce of	data s	ent from user's web br	owser and stor	red in a w	ebsite				
	(C)	Pie	ce of	data s	ent from website and s	tored in user's	web bro	wser space				
	(D)	Ma	liciou	s cod	e just like virus							
24.	Wh	ich e	of the	follo	wing tag in HTML is	generally not	written	in <head< td=""><td>tag ?</td><td></td><td></td><td></td></head<>	tag ?			
		Title				(B)	Table		MRI-BI			
		Me				(D)	Script					
25.	Wh	at w	ill be	the o	utput for following C	++ code snipp	et					
-			=3:1<									
	1	7.55		110	*							
	M	pri	ntf("	%d"	D:							
		+++	STATE OF STREET		-77							
	3	-0.055	4.0		The Later and							
	(A)	3	6	9	12	(B)	3 6	9 12	15			
	(C)		7	11	15	(D)		11				
	200	- 1	- 10	120		177	25 1/6	126				

26.	Whi	ch of	the	follo	wing	is co	rrect	sequ	ence	of sta	ages e		ram develop			
	(A)	Writ	e-c	ompi)	e-lir	ık - te	st				(B)		- compile - de			
	(C)	Writ	e - lii	nk-o	ompi	le-n	m				(D)	Write	- compile - lis			
				9000											W-1558	(3)
27.	Whi	ich of	the	follo	wing	bina	ry ex	press	ions	is mot			SERTEN-			1507
	(A)	(x+y)'= y	c'.y'							100	CONTRACTOR OF THE PARTY)'= x.y		1	
	(C)	(x'.y')'=>	cty							(D)	(x+y)' = x'.y'		All the plan	
	rem co			433.0											Asque	170
28.	The		ii sy:	stem	uses	pow	ers o				(B)	10				
	(A)										100000					
	(C)	10						the same		E11.5	(D)	0	the ware			
29.	Digi	tal Si	igna	ture	s is :		-									
	(A)					is att	ached	to an	electr	onica	ally to	anismitt	ed document	to verify its	sender's	identity
	(B)	Digi	tal C	ode v	which	is att	ached	to an	electr	onica	ally to	ansmitt	ed document	to verify its	contents	
	(C)	Digi	tal C	odev	which	is at:	ached	to an	electr	renic	ally tr	ansmit	ted document	to verify its	contents	and the
	100	 Digital Code which is attached to an electronically transmitted document to verify its contents and the sender's identity 														
	(D)	Scar	med	Hand	hvritt	en Sig	gnatur	es								
										ŧ.			A SHEET	V4.		
30.					1000	toff	ollow	ing C	++ p	rogra	am ?					
		lude	ciosi	rean	a.h>											
	mai	n()														
	(2000														
		91373	= 8;		11.000	+ 00										
		for(20735547	; i<	3 2 2 6 2							THE PART OF			
					11/4,	1000										
	4	cour	144	IX	End	*										
	1	0	0	8	8											
	(A)	8 End	8	0	9									SAN SAN		
	(B) (C)	0	1	,	2	4	5	6	7	8	9	10	End			
	(D)		1	2	3	4	5	6	7	8	9	10				
	(12)	v		*	,	7	1	0	4		- 6					
31.	Ad	ispla	y is c	nno	gure	d to s	how	6500) coto	ers. I	Iow i	many i	ytes are nec	ded to stor	e the co	lor
		rma						- 1								
	(A)	4									(B)	3				
	(C)	2									(D)	1				
															245	
Cor	nputer	Scienc	e/BJI	865-	A						7			+10	[Turn	over

32.	Wit	h SQL, h	ow can yo	u insert "	'Kaur" as th	e "LastN	(ame" in	the "Per	sons" tab	ole?			
	(A)	INSERT ('Kaur') INTO Persons (LastName)											
	(B)	INSERT INTO Persons (LastName) VALUES ('Kaur')											
	(C)	INSERT	INTO Per	sons (Las	(Name) 'Kau	ır'							
	(D)	INSERT	INTO Per	rsons ('Ka	ur') INTO L	astName							
33.	Whi	ich of the	following	tag in H	TML is used	to add a	row to a	table?					
	(A)					(B)	<ru></ru>						
	(C)	<tuple></tuple>				(D)	< <p><<p><<p><<p><<p><<p><<p><<</p></p></p></p></p></p></p>	N. KOLOK					
34.	Wh	ich of the	following	features	will charact	erize an (OS as mu	ltiprogra	mmed O	S ?			
	(a)	More tha	n one prog	gram may	be loaded into	main me	mory at t	he same ti	me.				
	(b)	If a progr	am waits f	or certain	event another	program	is immed	iately sch	eduled.				
	(c)	If the exe	cution of a	program t	erminates, ar	other pro	gram is in	nmediatel	y schedule	d.			
	(A)	(a) only				(B)	(a) and (b) only					
	(C)	(a) and (c	c) only			(D)	(a), (b) a	and (c) on	ly				
35.	Hov	v can you	make an	e-mail lin	k in HTML	?							
	(A)	<mail>pt</mail>	u@pu.ac.ir			(B)	<a href="</td"><td>"mailto:p</td><td>и@ри ас.і</td><td>n"></td>	"mailto:p	и@ри ас.і	n">			
	(C)												

39.	Wh	ich SQL statement is used to update data i	in a da	tabase?				
	(A)	SAVE	(B)	MODIFY				
	(C)	SAVEAS	(D)	UPDATE				
40.	In c	ontext of SQL, what type of statement AL	TER 1	s ?				
	(A)	DCL.	(B)	DDL				
	(C)	DML	(D)	None of above				
41.	Wit	h SQL, how can you return the number of	record	ds in the "Persons" table ?				
	(A)	SELECT COLUMNS(*) FROM Persons	(B)	SELECT COLUMNSO FROM Persons				
	(C)	SELECT COUNT() FROM Persons	(D)	SELECT COUNT(*) FROM Persons				
42.		ect the most appropriate data structure to ted in last one month in a Web Browser for	CONTRACTOR TO		b page			
	(A)	Queue	(B)	Link List				
	(C)	Array	(D)	Stack				
43.	Wh	at is the correct HTML for referring to an	exter	nal style sheet ?				
	(A) (A) (A) = "stylesheet" type="text/css" href="mystyle.css">							
	(B)	<style src="mystyle.css"></td><td></td><td></td><td></td></tr><tr><td></td><td>(C)</td><td><external>mystyle.css</external></td><td></td><td></td><td></td></tr><tr><td></td><td>(D)</td><td><stylesheet>mystyle.css</stylesheet></td><td></td><td></td><td></td></tr><tr><td>44.</td><td>Wh</td><td>ich of the following statements is false ?</td><td></td><td></td><td></td></tr><tr><td></td><td>(A)</td><td>Data dictionary is also known as system catal</td><td>og</td><td></td><td></td></tr><tr><td></td><td>(B)</td><td>The information stored in data dictionary is ca</td><td>alled m</td><td>eta data</td><td></td></tr><tr><td></td><td>(C)</td><td>Data dictionary is a centralized store of inform</td><td>nation</td><td>about the database</td><td></td></tr><tr><td></td><td>(D)</td><td>Data dictionary stores information contained</td><td>in vario</td><td>ous tables of the database</td><td></td></tr><tr><td>45.</td><td>Bug</td><td>means:</td><td></td><td></td><td></td></tr><tr><td></td><td>(A)</td><td>A logical error in a program</td><td></td><td></td><td></td></tr><tr><td></td><td>(B)</td><td>A difficult syntax error in a program</td><td></td><td></td><td></td></tr><tr><td></td><td>(C)</td><td>Documenting programs using an efficient docu</td><td>imenta</td><td>tion tool</td><td></td></tr><tr><td>1</td><td>(D)</td><td>All of the above</td><td></td><td></td><td></td></tr><tr><td>Com</td><td>puter S</td><td>Science/BJL-865-A</td><td>9</td><td>[Turn over</td><td></td></tr></tbody></table></style>						

	A={19, 25, 30, 35, 37, 45, 52, 69, 900}	(B)	0
	(A) 4		Binary Search cannot be performed
	(C) 0	(D)	Dinary Search Carnot be performed
47.	ASCII code is a :		
	(A) Four bit code	(B)	Five bit code
	(C) Seven bit code	(D)	Eight bit code
		de 1	
48.	If the ASCII code for "A" is 0100 0001, v	what is the	ASCII code for "G" ?
	(A) 0100 1000	(B)	0100 0111
	(C) 0011 0101	(D)	1100 1011
10			
49.	Which of the following is not a type of con		Friend constructor
	(A) Copy constructor	(B)	Parameterized constructor
	(C) Default constructor	(13)	r diametrizar consultator
50.	Which of the following concepts means "o	letermining	gat runtime what method to invoke"?
	(A) Datahiding	(B)	Dynamic Typing
	(C) Dynamic binding	(D)	Dynamic loading
51.	The output of an AND gate with three inp	outs, A, B, a	nd C, is HIGH when
	(A) $A = 1$, $B = 1$, $C = 0$	(B)	A = 0, $B = 0$, $C = 0$
	(C) A=1, B=1, C=1	(D)	A=1, B=0, C=1
52.	The output of a NOR gate is HIGH if		
	(A) All inputs are HIGH	(B)	Any input is HIGH
	(C) Any input is LOW	(D)	All inputs are LOW
53.	Which of the following expressions is in th	ne sum-of-p	roducts (SOP) form ?
	(A) (A+B)(C+D)		(A) B (CD)
	(C) AB(CD)	(D)	AB+CD

54.	AC	++ program contains the following d	eclaration :		
		int ×[8] = {10, 20, 30, 40, 50, 60, 70	,80};		
	Wh	at is the meaning of (*x+2)?			
	(A)	Memory Address of 3rd Element	(B)	12	
	(C)	22	(D)	32	
55.	Wr	ite array declaration statements for	an array of i	ntegers with 6 rows and	10 columns :
		Array_name [6][10]		Array name [5][9]	
	(C)	Array_name[][10]	(D)	100000	
56.	The	feature of object oriented program	in which a	specific class of objects	receives the features of a
	moi	re general class describes :			
	(A)	Inheritance	(B)	Polymorphism	
	(C)	Encapsulation	(D)	Data Hiding	
57.	A/A	nis a C++ class men	nber functio	n that is automatically o	executed when a
	clas	s object goes out of scope.			
	(A)	Constructor	(B)	Destructor	
	(C)	Pointer	(D)	Operator	
58.	Whi	ich C++ identifier is not correct ?			
	(A)	Right	(B)	Wrong	
	(C)	%test	(D)	_test	
59.	The	function fopen("filename", "r") ret	urns ?		
	(A)	Nothing			
	(B)	A value 0 or 1 depending on whether the	ne file could b	e opened or not	
	(C)	A pointer to FILE filename, if it exists			
	(D)	A pointer to a new file after creating it			
60.	Bane	dwidth affects the rate of :	W		
	(A)	Transfer of data	(B)	Processing of data	
	(C)	Analysis of data	(D)	All of the above	
Corn	suter So	cience/BJL-865-A	0		[Turn over