COMPUTING (CS,IT,IS,SWE,MIS) COLLEGE NATIONAL EXIT EXAM WORK SHEET

August 22, 2022

Prepared by:

Name: Dr. Azmeraw Gizie (PHD) in Computer Scince
Occupation: Computer Scince Department Dean
Organization: Mizan Tepi University
Experience: Above 11 years
E-mail Address: gizeaazmu97@gmail.com
Name: Zigiju Nebey (Msc in Information Technology)
Occupation: Lecturer
Organization: Habesha Technology College (F.Selam Campus)
Experience: Above 5 years
E-mail Address: yonas23495176@gmail.com

University/College Name:		
Name:		
Sex:		
Address:		_
	SWE: O IS: C) MIS: \bigcirc
Program: Regular: Night	t/Extension:	

Hint:

- ✓ This work sheet to be cover the whole CS, IT, IS, MIS and SWE department major courses starting from year 1 up to year 5/4.
- ✓ The exam work sheet questions to be online for 1 week only.
- ✓ The question to be sectioned with terms (each term contains 20-30 questions in each)
- ✓ Each question have one mark
- ✓ It continues until April 20/2014E.C
- ✓ You can submit your answer with E-Mail:yonas23495176@gmail.com or in telegram by scanning or screen shooting with your filled profiles of aboves
- ✓ I will send your result at the end of the week.
- ✓ The winner student and College or University to be awarded by sponsors at the end of the year.
- ✓ If there is a question, you can call with +251923495176 or through SMS in E-mail
- ✓ After term 10 we re-shape the question content into for only IT and CS departments

Term One:

Choose the best answer from the given alternatives

1.	Which one of the following cryptographic or Symmetric Encryption Scheme ingredient refers to the
	original form of the message?
	A) Plaintext B) Encryption C) Secret Key D) Ciphertext
2.	Which layers of the OSI model are host-to-host layers?
	A) Transport, Session, Presentation B) Network, Transport, Session, Presentation
	C) Datalink, Network, Transport, Session D) Physical, Datalink, Network, Transport
3.	What is HTML?
	A) HTML describes the structure of a webpage
	B) HTML is the standard markup language mainly used to create web pages
	C) HTML consists of a set of elements that helps the browser how to view the content
	D) All of the mentioned
4.	The protocol used to automatically assign IP address to a newly connected host in a network is called
	A) Dynamic Host Configuration Protocol (DHCP) C) User Datagram Protocol (UDP) B) Transmission Control Protocol (TCP) D) File Transfer Protocol (FTP)
5.	Apart from b> tag, what other tag makes text bold?
	A) <fat> B) C) <black> D) <emp></emp></black></fat>
6.	A collection of interrelated data is called
	A) Database B) Spreadsheet C) Management information system D) Text file
7.	When pipelining or parallel processing does required?
	A) During instruction overlapping B) During requesting large instructions
	C) During needs of improving throughput values of the processor D) All
8.	Network operating system runs on
	A) Every system in the network B) Server
0	C) Both server and every system in the network D) None of the mentioned
9.	is the feature that allows the same operations to be carried out differently depending on the object. A) Polymorphism B) Abstraction C) Inheritance D) Encapsulation
10	Tags and test that are not directly displayed on the page are written in section.
10.	A) <html> B) <head> C) <title> D) <body></td></tr><tr><td>11</td><td>Which one of the following is not an objective for any business plan?</td></tr><tr><td></td><td>A) It identifies the nature and the context of the business opportunity.</td></tr><tr><td></td><td>B) It presents the approach the entrepreneur plans to exploit the opportunity.</td></tr><tr><td></td><td colspan=6>C) It identifies the factors that will most likely determine the success of the venture.</td></tr><tr><td></td><td>C) It identifies the factors that will most likely determine the success of the venture.</td></tr><tr><td></td><td>D) None</td></tr><tr><td>12</td><td>D) None
CPU scheduling is the basis of</td></tr><tr><td>12</td><td>D) None CPU scheduling is the basis of A) Multiprogramming operating systems B) Larger memory sized systems</td></tr><tr><td></td><td>D) None CPU scheduling is the basis of A) Multiprogramming operating systems C) Multiprocessor systems D) None of the mentioned</td></tr><tr><td></td><td>D) None CPU scheduling is the basis of A) Multiprogramming operating systems C) Multiprocessor systems D) None of the mentioned D) None of the mentioned</td></tr><tr><td>13.</td><td>D) None CPU scheduling is the basis of A) Multiprogramming operating systems C) Multiprocessor systems D) None of the mentioned Which is not an application layer protocol? A) HTTP B) SMTP C) FTP D) TCP</td></tr><tr><td>13.</td><td>D) None CPU scheduling is the basis of A) Multiprogramming operating systems C) Multiprocessor systems D) None of the mentioned D) None of the mentioned</td></tr><tr><td>13.</td><td>D) None CPU scheduling is the basis of A) Multiprogramming operating systems B) Larger memory sized systems C) Multiprocessor systems D) None of the mentioned Which is not an application layer protocol? A) HTTP B) SMTP C) FTP D) TCP Which of the sets of statements below will add 1 to x if x is positive and subtract 1 from x if x is negative but leave x alone if x is 0? A) If (x > 0) x++; else x; C) If (x > 0) x++; else if (x < 0) x;</td></tr><tr><td>13.</td><td>D) None CPU scheduling is the basis of A) Multiprogramming operating systems C) Multiprocessor systems D) None of the mentioned Which is not an application layer protocol? A) HTTP B) SMTP C) FTP D) TCP Which of the sets of statements below will add 1 to x if x is positive and subtract 1 from x if x is negative but leave x alone if x is 0? A) If (x > 0) x++; else x; B) If (x == 0) x = 0; else x++; x; C) If (x > 0) x++; else if (x < 0) x; D) X++; x;</td></tr><tr><td>13.</td><td>D) None CPU scheduling is the basis of A) Multiprogramming operating systems B) Larger memory sized systems C) Multiprocessor systems D) None of the mentioned Which is not an application layer protocol? A) HTTP B) SMTP C) FTP D) TCP Which of the sets of statements below will add 1 to x if x is positive and subtract 1 from x if x is negative but leave x alone if x is 0? A) If (x > 0) x++; else x; C) If (x > 0) x++; else if (x < 0) x;</td></tr></tbody></table></title></head></html>

16. When data can transfer both side but at a time only one direction can send informat called .					ion is		
	A) Half duplex	B) Simp	lex C) I	Full duplex	D) Comm	unication	
17.	Which program do v	,	· · · · · · · · · · · · · · · · · · ·	1	2) comm		
	A) Web browser			ever D) S	earch Engine		
18.	is the proce	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
10.	A) Compiling B) H	<u> </u>	_	1 0			
19.	Which computer dev	<u> </u>	00 0				
	A) Keyboard B) P	rinter C) Scanner	D) Microph	none			
20.	In which computer c	lassification does ins	structions are ex	xecuted sequenti	ally?		
	A) SISD	B) SIMD	C) MISD	D) MI	MD		
21.	What is a Firewall in	Computer Network	?				
	A) The physical bou	ndary of Network		B) An opera	ting System of	Computer Network	
	C) A system designed	ed to prevent unautho	orized access	D) A web bi	owsing Softwa	re	
22.	A loop that never en	ds is referred to as a	(n)				
	A) While loop	B) Infinite loop (C) Recursive lo	op D) for loop			
23.	All are correct about	distributed database	, Except:				
	A) It is located on va	arious sites that do no	ot share physica	d components.			
	B) A database that is	s not limited to one s	ystem.				
	C) A database that is	s limited to a specific	system for sec	urity purpose			
	D) A database distril	outed to various remo	ote and local lo	cations through i	internet.		
24.	IPV4 Address is	A) 8 bit B) 16 b	it C) 32 bit	D) 64 bit			
25.	Which one of the fol	lowing software deve	elopment model	is an effective m	ethodology to p	provide much quicke	
	development and high	er-quality results than	the others?				
	A) Spiral Model	B) Waterfall	model	C) RAD model	D) Itera	ation Model	
26.	What is an operating	; system?					
	A) An interface betw	veen the hardware an	d application p	rograms			
	B) A collection of programs that manages hardware resources						
	C) A system service	provider to the appli	cation program	S			
	D) All of the mentio	ned					
27.	What is the meaning	of Bandwidth in Ne	twork?				
	A) Transmission cap	acity of a communic	ation channels	B) Conne	cted Computers	in the Network	
	C) Class of IP used i	n Network		D) None of	of Above		
28.	A pointer is						
	A) The address of a		· · · · · · · · · · · · · · · · · · ·			be accessed next	
20	B) A variable for sto			he data type of a			
29.	Which one of the fol	_		_	narketing in a sr	nall business?	
30.	· · · · · · · · · · · · · · · · · · ·	B) Want ans a computer inform	C) Demand	D) All	in audio video	and animated	
50.	format in addition to		A)Speech	B) Music	C) Film	D) Multimedia	
			- z/~peccii	2,1.14510	C) 1 11111	_ / 1.15111110414	

Term Two

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Cnoose	tne	pest	answer	irom	tne given	optionality

 is the process of creating new networks by stealing bits from the host portion of a subnet mask. A, Subnetting B, Configuring C, Routing D, Pinging What is the average waiting and rumaround time respectively for the five process(P1(1, 7) P2(3,3)P3(6,2), P4(7, 10)and P5(9,8) using SJF CPU scheduling algorithm? NB: The first number is the value for AT and the second is the value for BT for each process. A, 5.4 and 11.4 B, 4.4 and 12.5 C, 11.5 and 4.5 D, 12.5 and 11.4 Which one of the following features of an object-oriented programming hides the details of the data from developing any program? A, Inheritance B, Abstraction C, Encapsulation D, Polymorphism Which one of the following formula is necessary to determine the number of usable hosts per each networks? A, 2°-2 B, 2° C, 2°-1 D, n(n-1/2) Which one of the following components of any user defined function includes about the work of the function/body of the function/as a whole? A, Function declaration B, Function Calling C, Function definition D, Function Prototype Which one of the following is a correct IP V4 address representation? A, 175.259.45.1 B, 10011110.00100010.0100100.00000011 C, 192.168.142.10 D, None The ability to query data, as well as insert, delete, and alter tuples, is offered by		ose the best unswel from the Siven optionality
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•	16.	P6(6, 4) using Round robin CPU scheduling algorithm with a time slice value of 2? NB: The first number
·		· · · · · · · · · · · · · · · · · · ·

17.	17. Which database integrity deals about the primary key's uniqueness and h	ave a not null	feature in the table?
	A, Domain Integrity B, Entity Integrity C, Referential	Integrity	D, Key constraints
18.	18. Which type of menu displays a list of items in a vertical list which present	nts to the view	that invoked the
	menu and useful to provide an overflow of actions that related to specific	content?	
	A, Popup menu B, Push menu C, Context menu D,	Option menu	
19.	19. Which one of the following is not include as a good database transaction	properties?	
	A, Atomicity B, Concurrency C, Isolation		D, Durability
20.	20. Which one of the following term is specify the collection of networks that	it can be joine	d together?
	A, Intranet B, Extranet C, Internet D, LAN		
21.	21. Which one of the following is an examples of WMAN?		
22	A, Wi-Fi B, Bluetooth C, Wi-MAX D, Zigber		. 1. 1
22.	22. Assume if two data items A and B are said to be in a determinant or depe		<u> </u>
	values of data item B always appears with certain values of data item A a determinant data item and B the dependent data item then which on is con		item A is the
	A, "B is functionally dependent on A." B, "A determinant data item and B the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on is contained by the dependent data item then which on its contained by the dependent data item then which on its contained by the dependent data item then which on its contained by the dependent data item then which it is contained by the dependent data item then which it is contained by the dependent data item then which it is contained by the dependent data item then which it is contained by the dependent data item then which it is contained by the dependent data item then which it is contained by the dependent data item then which it is contained by the dependent data item the dependent		
	C, "B is a function of A" D, "A function of A"		B "
23.	23. What is the correct output for the program below?	ilarij governs	٥.
	int num[]=new int[100],result; A,36 B, Sum=21 C, 1	D, result	=21
	for(int $i=0$; $i<=6$; $i++$){		
	num[i]=i;		
	$if(i\%3==0){$		
	result=num[i]+i;		
	} }		
2.4	System.out.print(result);		
24.	24. What is the binary bit equivalency for the IP address 158.80.164.3?	1010000 1010	00100 00000011
			00100.00000011 00100.00000011
25	25. Which type of iteration statement in java have at least one output even if		
23.	initially?	the execution	become faise
	A, for loop B, Do while loop C, While loop D, for each loop		
26.	26. Which expression from below for the student class can be used as a meth	od member?	
	A, Name B, Sex C, Mark D, Withdrawal		
27.	27. If an attribute which is not a member of the primary key is dependent on		
	we have composite primary key) then that attribute is		mary key.
	A, Partially functionally dependent B, Fully functionally	-	
	C, Transitive dependency D, Optimally function	• •	
28.	28. Which one of the following page replacement policy/algorithm involves	by replacing t	he "oldest" page in
	the memory, the one which was loaded before all the others?		
20	A, FIFO B, OPT C, LRU D, LFU	t t	mantiaulan daatinatia
29.	29. Which one of the following IP network service principle determines the benefit network?	best pain to a	particular destiliation
	A, Subnetting B, Configuring C, Routing D, Pinging		
30	30. Which normalization form involves by removing the transitive dependent	cies between	attributes?
50.	A, First normalization B, Second normalization		
	C, Third normalization D, Boyce-Codd Nor		
	, , , , , , , , , , , , , , , , , , , ,		