C	UIZIZZ Worksheets	Name
Tota Wo	in Blitzz al questions: 30 rksheet time: 8mins ructor name: Mr. Nithish Kumar	Class Date
1.	A man fixed an appointment to meet the manager, No before the day after tomorrow. Today is Friday. Whe	
	a) Friday	b) Monday
	c) Tuesday	d) Sunday
2.	If a and b are positive integers and $(a-b)/3.5 = 4/7$, t	hen
	a) b< a	b) b > a
	c) b = a	d) b >= a
3.	If 5 women or 8 girls can do a work in 84 days. In how many days can 10 women and 5 girls can do	o the same work?
	a) 31 days	b) 30 days
	c) 32 days	d) 33 days
4.	In a group of cows and hens, the number of legs are 14 more than twice the num The number of cows is	per of heads.
	a) 5	b) 7
	c) 10	d) 12
5.	Which of the following function sets first n character	s of a string to a given character?
	a) strinit()	b) strnset()
	c) strset()	d) strcset()

	a) strnstr()	b)	laststr()
	c) strrchr()	d)	strstr()
7.	Which one of the options given below refers to the osystems?	legr	ree (or arity) of a relation in relational database
	a) Number of attributes of its relation schema.	b)	Number of tuples stored in the relation.
	c) Number of entries in the relation.	d)	Number of distinct domains of its relation schema.
8.	Immunity of the external schemas (or application pro	ogra	ams) to changes in the conceptual scheme is
	a) Physical Data Independence	b)	Logical Data Independence
	c) Both (A) and (B)	d)	None of the above
9.	What does a data dictionary will identify?		
	a) Field name	b)	Field format
	c) Field types	d)	All of the above
10.	The maximum length of an attribute of type text is		
	a) 127	b)	255
	c) 256	d)) It is a variable
11.	Purpose of 'Foreign Key' in a table is to ensure		
	a) Null Integrity	b)	Referential Integrity
	c) Domain Integrity	d)	Null and Domain Integrity

6. The library function used to find the last occurrence of a character in a string is

12.	What is the output of the following code?	
	#include <stdio.h></stdio.h>	
	int recursive_sum(int n) {	
	if(n == 0) return 0;	
	return n + recursive_sum(n - 1); }	
	int main()	
	{	
	int $n = 0$;	
	int ans = recursive_sum(n);	
	printf("%d",ans);	
	return 0;	
	}	
	a) -1	b) 1
	c) runtime error	d) 0
13.		
	How are String represented in memory in C?	
	a) An array of characters	b) The object of some classes
	c) some as other primitive classes	d) Linked List of characters
14.	What function is used to append a character at the	back of a string in C++?
	a) push_back()	b) append()
	c) push()	d) insert()
15.	Which of the following data structures finds its use	in recursion?
	a) Arrays	b) Stack
	c) LinkedList	d) Queues
16.	Which of the following sorting algorithms provide the	e best time complexity in the worst-case scenario?
	a) Merge Sort	b) Quick Sort
	c) Bubble Sort	d) Selection Sort

17.	at is the best time complexity we can	
	achieve to precompute all-pairs shortest paths in a weighted graph?	
	a) O(n^3)	b) O(n^2)
	c) O(n)	d) O(n^4)
18.	In a graph of n nodes and n edges, how many cycle	es will be present?
	a) Exactly 1	b) At most 1
	c) At most 2	d) Depends on the Graph
19.	Which function best describe the concept of polymo	orphism in programming languages?
	a) Class member function	b) Virtual function
	c) Inline function	d) Undefined function
20.	Which of the following definition is incorrect for poly	/morphism?
	 a) Polymorphism helps in redefining the same functionality 	b) Polymorphism concept is the feature of object- oriented programming (OOP)
	c) It always increases the overhead of function definition	d) Ease in the readability of the program
21.	Which operator from the following can be used to il	llustrate the feature of polymorphism?
	a) Overloading <<	b) Overloading &&
	c) Overloading	d) Overloading +=
22.	Under which pillar of OOPS do base case class and	d derived class relationships come ?
	a) Inheritance	b) Polymorphism
	c) Encapsulation	d) Abstraction
23.	Which of the following functions can be inherited from	om the base class
	a) Destructor	b) Constructor
	c) Static	d) none

24.	Identify the layer which provides service to the user	ЭГ.	
	a) Session layer	b) Presentation error	
	c) Application layer	d) Physical layer	
25.	Which of the following layer isn't present in the TCF	P/IP model but is included in the OSI model?	
	a) Network layer	b) Session layer	
	c) Application layer	d) Transport layer	
26.	What is the term used when the main server sends	s mail to another mail server?	
	a) FTP	b) SMTP	
	c) TCP/IP	d) MIME	
27.	UNIX is written in which language?		
	a) C#	b) C++	
	c) C	d) .NET	
28.	What is meant by ready state of a process?		
	When the process is scheduled to run after some execution	b) When the process is currently using the CPU	
	c) When the process is dependent of the execution time of some other process.	d) . None of these	
29.	Consider the following program: main() { if(fork()>0) sleep(100); }		
	a) infinite process	b) orphan process	
	c) zombie process	d) none	

). Semaphore is a and it helps to solve t	
a) atomic, critical section	b) integer variable, memory error
c) integer variable, critical section	d) atomic, memory error

1. b) Monday

2. a) b<a

3. c) 32 days

4. b) 7

5. b) strnset()

6. c) strrchr()

- 7. a) Number of attributes of its relation schema.
- 8. b) Logical Data Independence
- 9. d) All of the above

- 10. d) It is a variable
- 11. b) Referential Integrity
- 12. c) runtime error

- 13. a) An array of characters
- 14. a) push_back()
- 15. b) Stack

- 16. a) Merge Sort
- 17. a) O(n^3)

18. a) Exactly 1

- 19. c) Inline function
- 20. c) It always increases the overhead of function

definition

21. a) Overloading <<

- 22. a) Inheritance
- 23. d) none

24. c) Application layer

- 25. b) Session layer
- 26. b) SMTP

27. c) C

- 28. d). None of these
- 29. c) zombie process
- 30. c) integer variable, critical section

