

G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY (AT)

II B.Tech II Semester-I Mid Examinations - OBJECTIVE PAPER

SUB: D Max Ma	rks: 10	_	Branc Il no:			Tim	e: 06-03-2 ie: 20 Min	utes	SET	
1.					====== :lled as			:===== [====	===:]
	a.	Stack	b. Link			p d.P		_		_
2.	Which o	f the foll	owing i	s not a t	ype of lin	ıked list	(LL)	[]
	a.	Hybrid I		Singly L		Circular		d.	Doub	ly L
3.	Linked li	st is gen	erally c	onsidere	d as an e	xample	of type of	f memo	ory	•
	location							[]
	a.	static b	. comp	le time	c. dyr	namic	d.	run tir	ne	
4.	In the st				ın eleme	nt from	the empty	y stack	is[]
	a.	Under f	low b.	garbage	collectio	n c. em	oty collect	ion d.	over	flow
5.	What w	ill be the	initial v	alue wit	h which	top is i	nitialized	[]
	a.	-1	b. gar	bage	c. 1		d. 0			
6.	Which o	f the foll	owing	data stru	cture s a	re inde	ed structi	ures[]
	a.	Linked a	arrays	b. Lin	ked list o	. both	of above d	. none	of ab	ove
7.	Two din	nensiona	l arrays	are also	called as	5		[]
	a.	Tables a	array b	Matrix	array c. b	oth of a	bove d. n	one of	abov	е
8.	Which o	f the foll	owing	data stru	cture sto	res the	homogen	eous d	ata[]
	a.	Array	b. Rec	ord	c. Sta	ck	d. All	of the	abov	_' e
9.	When n	ew data	are to b	e insert	ed into a	data st	ructure, bi	ut ther	e is n	o
	space av	⁄ailable t	his situ	ation is ι	isually ca	lled		[]
	a.	Underfl	ow	b. Ov	erflow	c. H	ouse full	d.	Satur	ate
10.	The situ	ation wh	en in a	linked li	st START	=FULL i	5	[]
	a.	Underfl	ow	b. Ov	erflow	c. H	ouse full	d.	Satur	ate
Match t	he follov	/ing:								
11.	Arrays			a .F	IFO			[]	
12.	Linked	ist		b. F	omogen	eous Da	ta	[]	
13.	stack			c. N	on homo	geneou	s Data	[]	
14.	pointer			d. L	IFO			[]	
15.	queue			e. s	ores Ado	dress		[]	
TRUE OF	R FALSE									
16.	Sparse N	∕latrix is	the app	lication	of arrays		[]
	Stack is						[]
					only for si	ngle lin	ked list[]
19.	Simulati	on is the	applica	ation of s	stack		[]
20.	Ab+ac-*	is the pr	efix exi	oression			1			1



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II B.Tech II Semester-I Mid Examinations - OBJECTIVE PAPER

SUB: DS Max Marks: 10					Time: 2	5-03-2018 0 Minutes	SET-1	
				s called as		:======== [:=======]	
	a.	-	b. Linked lis		p d. Point	er	_	
2.	Which c	of the follo	wing is not	a type of lin	ıked list (LL)	[]	
	a.	Hybrid Ll			Circular LL		Doubly LL	
3.	Linked l	ist is gene	rally consid	ered as an e	xample of t	ype of mem	ory	
	location	1				[]	
	a.	static b.	compile tin	ne c. dyr	namic	d. run tii	me	
4.	In the st	ack user t	ry to remov	ve an eleme	nt from the	empty stack	is[]	
	a.	Under flo	ow b. garba	ge collectio	n c. empty	collection d.	over flow	
5.	What w	ill be the i	nitial value	with which	top is initia	lized []	
	a.	-1	b. garbage	c. 1		d. 0		
6.	Which c	of the follo	wing data s	structure s a	re indexed :	structures[]	
	a.	Linked ar	rays b.	Linked list	c. both of al	ove d. none	of above	
7.	Two din	nensional	arrays are a	lso called as	5	[]	
	a.	Tables ar	ray b. Mat	rix array c. b	oth of abov	e d. none of	above	
8.	Which c	of the follo	wing data s	structure sto	res the hor	nogeneous c	lata[]	
	a.	Array	b. Record	c. Sta	ck	d. All of the	above	
9.	When n	ew data a	re to be ins	erted into a	data struct	ure, but ther	e is no	
	space av	vailable th	is situation	is usually ca	ılled	[]	
	a.	Underflo	w b.	Overflow	c. House	e full d.	Saturated	
10.	The situ	ation whe	n in a linke	d list START	=FULL is	[]	
	a.	Underflo	w b.	Overflow	c. House	e full d.	Saturated	
Match th	e follov	ving:						
11.	Arrays		ä	FIFO		[]	
12.	Linked	list	ı	o Homogene	ous Data	[]	
13.	stack		(c. Non homo	geneous Da	ata []	
14.	pointer		(d. LIFO		[]	
15.	queue		•	e. stores Ado	dress	[]	
TRUE OR	FALSE							
16.	Sparse N	√atrix is th	ne applicati	on of arrays		[]	
17.	Stack is	a linear da	ata structur	e		[]	
18.	Circular	linked list	is applicab	le only for s	ingle linked	list[]	
19.	Simulati	on is the a	application	of stack		[]	
20.	Ab+ac-*	is the pre	fix express	ion		[]	



G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY (AT) II B.Tech II Semester-I Mid Examinations - OBJECTIVE PAPER

SUB: DS BranchECE Date: 06-03-2018 SET-2 Roll no: Time: 20 Minutes Max Marks: 10 _____ 1. Which of the following data structure s are indexed structures [a. Linked arrays b. Linked list c. both of above d. none of above 2. Two dimensional arrays are also called as a. Tables array b. Matrix array c. both of above d. none of above 3. Which of the following data structure stores the homogeneous data[] a. Array b. Record c. Stack d. All of the above 4. When new data are to be inserted into a data structure, but there is no space available this situation is usually called a. Underflow b. Overflow d. Saturated c. House full 5. The situation when in a linked list START=FULL is a. Underflow b. Overflow c. House full d. Saturate 6. Generally collection of nodes called as----a. Stack b. Linked list c. Heap d. Pointer 7. Which of the following is not a type of linked list (LL) a. Hybrid LL b. Singly LL c. Circular LL d. Doubly LL 8. Linked list is generally considered as an example of type of memory location a. static b. compile timec. dynamic d. run time 9. In the stack user try to remove an element from the empty stack is [a. Under flow b. garbage collection c. empty collection d. over flow 10. What will be the initial value with which top is initialized a. -1 b. garbage c. 1 d. 0 MATCH THE FOLLOWING 11. stack a. Non homogeneous Data 12. pointer b. LIFO 13. queue c. stores Address 14. Arrays d .FIFO 15. Linked list e. Homogeneous Data TRUE OR FALSE 16. Sparse Matrix is the application of arrays 17. Stack is a linear data structure 18. Circular linked list is applicable only for single linked list 19. Simulation is the application of stack 20. Ab+ac-* is the prefix expression



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SUE	3: DS Branc	hECE	Date: 06-03-2018	
		toll no:	Time: 20 Minutes	SET-2
1.		======= ving data structu	======================================	== ===== res[]
	b. Linked arrays	=	c. both of above d. non	
2.	Two dimensional a			1
			oth of above d. none of	above
3.	-	•	are stores the homogene	
	a. Array	b. Record	c. Stack d. All of th	
4.	When new data are	to be inserted	into a data structure, bu	it there is
	no space available			
	a. Underflow		-	I. Saturated
5.	The situation when	in a linked list :	START=FULL is []
	a. Underflow	b. Overflow	c. House full d	l. Saturate
6.	Generally collectio	n of nodes calle	d as[]
	a. Stack b.	Linked list	c. Heap d. Pointer	
7.	Which of the follow	ing is not a type	e of linked list (LL) []
		b. Singly LL	c. Circular LL d	l. Doubly LL
8.	· ·		s an example of type of	
	location		[]
	a. static b. c	ompile timec. d	ynamic d. run t	ime
9.	In the stack user try	to remove an e	element from the empty	stack is[]
	a. Under flow b. ga	rbage collection	c. empty collection	. over flow
10.	What will be the in	itial value with v	which top is initialized	[]
	a1 b. gar	bage c. 1	d. 0	
MA	TCH THE FOLLOWIN	IG		
11.	stack	a. Non hon	nogeneous Data	[]
12.	pointer	b. LIFO		[]
13.	queue	c. stores A	ddress	[]
14.	Arrays	d .FIFO		[]
15.	Linked list	e. Homoge	eneous Data	[]
TRU	JE OR FALSE			
16.	Sparse Matrix is th	e application of	arrays []
17.	Stack is a linear dat	a structure	[]
18.	Circular linked list is	s applicable only	y for single linked list[]
19.	Simulation is the ap	plication of stac	ck []
20.	Ab+ac-* is the prefi	x expression	[]



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SUB: DS BranchECE Date: 06-03-2018 SET-3 Roll no: Time: 20 Minutes Max Marks: 10 _____ 1. In the stack user try to remove an element from the empty stack is[] a. Under flow b. garbage collection c. empty collection d. over flow 2. What will be the initial value with which top is initialized d. 0 a. -1 b. garbage c. 1 3. When new data are to be inserted into a data structure, but there is no space available this situation is usually called a. Underflow b. Overflow c. House full d. Saturated 4. The situation when in a linked list START=FULL is a. Underflow b. Overflow c. House full d. Saturate 5. Generally collection of nodes called as----a. Stack b. Linked list c. Heap d. Pointer 6. Which of the following is not a type of linked list (LL) a. Hybrid LL b. Singly LL c. Circular LL d. Doubly LL 7. Linked list is generally considered as an example of type of memory location a. static b. compile timec. dynamic d. run time 8. Which of the following data structure s are indexed structures [c. Linked arrays b. Linked list c. both of above d. none of above 9. Two dimensional arrays are also called as a. Tables array b. Matrix array c. both of above d. none of above 10. Which of the following data structure stores the homogeneous data [] a. Array b. Record c. Stack d. All of the above MATCH THE FOLLOWING 11. pointer b. LIFO 12. queue c. stores Address 13. stack a. Non homogeneous Data d .FIFO 14. Arrays 15. Linked list e. Homogeneous Data TRUE OR FALSE 16. Sparse Matrix is the application of arrays 17. Simulation is the application of stack 18. Ab+ac-* is the prefix expression 19. Stack is a linear data structure 20. Circular linked list is applicable only for single linked list[



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Date: 06-03-2018

BranchECE

SUB: DS

Ma	x Marks: 10	_	ll no: 		_	20 Minut		SET	
1.	In the stack								
	a. Under flo	ow b. gar	bage collec	tion c. e	mpty co	llection	d. d	over f	low
2.	What will b	e the initi	ial value wi	th which	top is i	nitialized	l	[]
	a1	b. garba	age (c. 1		d. 0			
3.	When new	data are	to be insert	ted into	a data st	ructure,	but	there	is
	no space av	ailable th	is situation	is usua	lly called		[]
			b. Overflo		c. House	-	d. 5	Satur	ated
4.	The situation	on when i	n a linked	list STAR	T=FULL	is	[]
			b. Overflo		c. House		d. 5	Satur	
5.	Generally of	collection	of nodes c	alled as-			[]
				c. He	•	d. Point	er		
6.	Which of th	ne followi					[]
	•	brid LL	b. Singly I			cular LL			-
7.	Linked list i	s generall	y consider	ed as an	example	of type	of m	nemo	ry
	location						[]
			mpile time	-		d. ru			
8.	Which of th		•					-]
	d. Linked	•	b. Linked			oove d. n	one	of ab	
9.	Two dimen		-			_	[]
	a. Tables ar	-	-						
10.	Which of th		_			_			
		ray	b. Record	l	c. Stack	d. All of	the	abov	e
	TCH THE FO	LLOWING							
	pointer		b. LIFO				[]	
12.	•			s Addres			[]	
	stack			homoge	neous D	ata	[]	
	Arrays		d .FIFO		. .		[]	
	Linked list		e. Hom	ogeneo	us Data		[]	
	JE OR FALSE		1	c		r			,
	Sparse Mat				ys	[]
	Simulation					l			J
	Ab+ac-* is t	•	•	I		l r			J 1
	Stack is a lin			only for	single !:	المطانحيا			J 1
ZU.	Circular link	red list is	applicable	only for	single III	ikea iist			1



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II B.Tech II Semester-I Mid Examinations - OBJECTIVE PAPER

SUB: D Max Ma	rks: 10 Roll no:	Date: 06-03-2018 Time: 20 Minutes	SET-4	
1.	Linked list is generally considered as an exam			
	location]]	
	a. static b. compile time c. dynami	c d. run tii	me	
2.	In the stack user try to remove an element fro	om the empty stack	is[]	
	a. Under flow b. garbage collection c. e	empty collection d.	over flow	
3.	What will be the initial value with which top	is initialized []	
	a1 b. garbage c. 1	d. 0		
4.	Which of the following data structure s are in	dexed structures[]	
	a. Linked arrays b. Linked list c. bo	th of above d. none	of above	
5.	Two dimensional arrays are also called as]]	
	a. Tables array b. Matrix array c. both	of above d. none of	above	
6.	Which of the following data structure stores t	the homogeneous o	lata[]	
	a. Array b. Record c. Stack	d. All of the	above	
7.	When new data are to be inserted into a data	structure, but the	e is no	
	space available this situation is usually called]]	
	a. Underflow b. Overflow c	. House full d.	Saturated	
8.	The situation when in a linked list START=FUI	LL is []	
	a.Underflow b. Overflow c. House f	full d. Saturate	d	
9.	Generally collection of nodes called as	[]	
	a. Stack b. Linked list c. Heap c	l. Pointer		
10.	Which of the following is not a type of linked	list (LL) []	
	a. Hybrid LL b. Singly LL c. Circu	ılar LL d.	Doubly LL	
Match t	he following:			
11.	stack c. Non homogene	eous Data []	
12.	pointer d. LIFO]]	
13.	queue e. stores Address	[]	
14.	Arrays a .FIFO]]	
15.	Linked list b. Homogeneous	Data []	
TRUE O	R FALSE			
16.	Circular linked list is applicable only for single	linked list[]	
17.	Simulation is the application of stack	[]	
18.	Ab+ac-* is the prefix expression	[]	
19.	Sparse Matrix is the application of arrays]	1	

20. Stack is a linear data structure



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II B.Tech II Semester-I Mid Examinations - OBJECTIVE PAPER

SUB: [Max Ma	rks: 10 Roll no:	BranchECE O Roll no:			SET-4	
1.	Linked list is generally co					
	location			[]	
	a. static b. compile	time c. dyr	namic	d. run tir	ne	
2.	In the stack user try to re	move an elemei	nt from the en	npty stack	is[]	
	a. Under flow b. ga	arbage collection	n c. empty col	lection d.	over flow	
3.	What will be the initial va	lue with which	top is initialize	ed []	
	a1 b. garba	age c. 1	d	. 0		
4.	Which of the following da	ata structure s a	re indexed str	uctures[]	
	a. Linked arrays	b. Linked list	. both of abov	/e d. none	of above	
5.	Two dimensional arrays a	re also called as	•	[]	
	a. Tables array b. I	Matrix array c. b	oth of above	d. none of	above	
6.	Which of the following da	ata structure sto	res the homo	geneous d	ata[]	
	a. Array b. Reco	rd c. Sta	ck d	. All of the	above	
7.	When new data are to be	inserted into a	data structure	e, but ther	e is no	
	space available this situat	tion is usually ca	lled	[]	
	a. Underflow	b. Overflow	c. House fi	ull d.	Saturated	
8.	The situation when in a I	inked list START	=FULL is	[]	
	a.Underflow b. Over	flow c. Ho	use full d	. Saturate	t	
9.	Generally collection of no	odes called as		[]	
	a. Stack b. Linke	d list c. Hea _l	p d. Pointer			
10.	Which of the following is	not a type of lin	ked list (LL)	[]	
	a. Hybrid LL b. S	Singly LL c. (Circular LL	d.	Doubly LL	
Match t	ne following:					
11.	stack	c. Non homo	geneous Data	[]	
12.	pointer	d. LIFO		[]	
13.	queue	e. stores Ado	Iress	[]	
14.	Arrays	a .FIFO		[]	
15.	Linked list	b. Homogen	eous Data	[]	
TRUE O	RFALSE					
16.	Circular linked list is appli	cable only for si	ngle linked lis	t[]	
17.	Simulation is the applicat	ion of stack		[]	
18.	Ab+ac-* is the prefix expr	ession		[]	
19.	Sparse Matrix is the appli	cation of arrays		[]	
20	Stack is a linear data strue	rture		ſ	1	