SBERCT's



BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI

Approved by AICTE, DTE (Government of Maharashtra), Affiliated to DBATU University

Academic Year	: 2023-24	Class	:SY	
	Prerequis	ite Question Paper		
a) A programm	data structure? ming language	b)	A collection o	of algorithms
c) A way to st	ore and organize data		type of compu	
2 -Which data	structure is used for	implementing recurs	ion?	
a) Stack	b) Queue		List	d) Array
3-What is the	value of the postfix e	expression 6 3 2 4 + -	- *?	
a) 74	b) -18	c) 22		d) 40
4-The data st	ructure required for B	readth First Traversa	al on a graph i	s?
a) Array	b) Stack) Tree	d) Queue
5 -The prefix	form of A-B/ (C * D ^	E) is?		
a) -A/B*C^DE			CD*^DE	d) -/*^ACBDE
6 - Which of	the following is the m	ost widely used exte	rnal memory o	data structure?
a) B-tree c) AVL tree		b) Red	l-black tree	d Red-black tree
7 - What is the	advantage of a hash			- 1 tod black (lee
a) easy to i	mplement ood locality of referer	b) faster ac	cess of data	umber of entries
8 - Which type	of data structure is a			
a) Hash	b) Array	c) Priority S		Priority Queue
9 - The number	of elements in the a	djacency matrix of a	graph having	7 vertices is
a) 7	b) 14	c) 36	d)	49
100				
350				

10- Which of the following is the most widely used externa) AVL treeb) B-treec) Red-black tree	al memory data structure? d) Both a and c
11 -What is the time complexity of uniform binary search? a) O(nlogn) b) O(logn) c) O(r	
 12 - Which of the following algorithms are used to find the short to all other nodes in a weighted graph? a) BFS b) Djikstra's Algorithm c) Prims Algorithm 	
13 –What is the maximum number of swap that can be pe sort algorithm?	rformed in the selection
a) n-1 b) n c) 1	d)n-2
14 - What is the time complexity of the binary search at a) O(n) b) O(1) c)O(log2n)	
15 - Merge sort can be implemented using O(1) auxiliary s a) true b)	space. false
16 - Which of the following method is used for sorting in r a) merging b) partition c) selection d) exchange	oning
	n by default? uick sort sertion sort
19 Minish type of Drogramming does Duthern 19	
18 - Which type of Programming does Python support?a) object-oriented programmingc) functional programming	b) structured programming d) all of the mentioned
19 - Which keyword is used for function in Python langual Function b) def c) Function	
, , , , , , , , , , , , , , , , , , , ,	d) Define
20 - Suppose B is a subclass of A, to invoke theinit the line of code you should write?	method in A from B, what is
a) Ainit(self) c) Ainit(B)	b) Binit(self)
	d) Binit(A)



Principal
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Bhagwart Institute of Technology
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name: - Badik korbu.





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Academic Year	: 2023-24	Class	: SY	7
	Prerequisite	Question Paper		
1 - What is a c	ata structure?			
a) A programn	ning language			
A way to sto	ore and organize data	u) A ty	pe of comp	of algorithms outer hardware
2-Which data	structure is used for im			dici naluware
_a) Stack	or acture is used for im	plementing recursion	12	
	o) waeue	c) Lis	st	d) Array
3-What is the v	alue of the next			
a) 74	ralue of the postfix exp	ression 6 3 2 4 + - *	>	
27.14	18- (طر	c) 22		
				d) 40
4-The data stru	cture required for Brea			
a) Array	are a reduited tot Ries	dth First Traversal o	n a graph i	. 2
7	b) Stack	o) T.		5!
		c) Tı	ee	Queue
5-The prefix for	rm of A-B/ (C * D ^ E) is			
a)-A/B*C^DE	WOLV-PL (C. D.E)	s?		
/ ENGLODE	b) -A/BC*^DE	C)-APCD	**	
100		c) -ABCD	, DE	d) -/*^ACBDE
o - Which of the	following is the most v	widalu		
a) B-tree	and most v	widely used external	memory d	ata structura
c) AVL tree				
		Ol Both Al		
7 - What is the ad	vantage of a hash table ement		- ace and	Red-black tree
a) easy to impl	ement	e as a data structure	2	
c) exhibit good	locality of reference	laster access	of data	
	or reference	AL AGIA BILICIONE	for loss mu	
8 - Which type of c	lata structure is a terna	d) very efficient	or less nu	mber of entries
a) Hash	idia siructure is a terna	ary heap?		
	~/ Allay	c) Priority Stant		
9. The number of	elemente :- "	, and olack	~d) F	Priority Queue
a) 7	fieldents in the adjace	ncy matrix of a gran	.	
n Institute	elements in the adjace b) 14	c) 36	naving 7	vertices is _
200			(d) 4	9

	0- Which of th a) AVL tree	ne following is عرف (هر B-t	the most ree	widely used ex c) Red-black to	ternal me ree	emory data d) Both a a	structure? and c
1	-What is the a) O(nlogn)	time complexi	ty of unif	orm binary sear c)	rch? O(n)	d)	O(n²)
12	- Which of the	e following algo	rithms ar	e used to find the	e shortest	nath from a	cours made
		nodes in a weight Diskstra's Algo	iiicu kiab	h? c) Prims Algo			Algorithm
13	-What is the	maximum nun	nber of s	wap that can be	e perform		
sor	t algorithm? a) n-1	b) n					
1.1	M/hat is the			c) 1		d)n-2	
		b) O(1))	e binary search	2n)	d) O(n^2)
•				ing O(1) auxilia	b) false		
16	- Which of the	following me	thod is u	sed for sorting i	n merge	sort?	
	,			b) par	titioning	5011?	
	c) selection				changing		
17	Which of the	£-11- · ·					
	a) merge sor	Tollowing is no	ot in plac	e sorting algorit	thm by de	efault?	
	c) heap sort			b)	quick sor	t	
	/			d)	insertion	sort	
18-	Which type o	f Programmin	g does P	ython support?			
•	a) onlect-otte	nted programi	mina	·		Oturod	
	c) functional _l	orogramming		•	all of	ctured prog f the mentic	ramming oned
19-	Which keyw	ord is used fo	r function	n in Python lang	7110000		
	a) Function	Lb)	def	c) Fu			
00/	/.						d) Define
the li	Suppose B is	a subclass of u should write	[:] A, to inv ∋?	oke theinit_	_ method	d in A from	B, what is
	init(self)				b) B	_init(self)	
O) A	_init(B)				d) B	t(seii) init(A)	
						(^)	
nstitute	OF A					1	7
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A	cademic Year	: 2023-24	Class	: S	SY	
		Prerequisi	te Question Pape	er		
		data structure? ming language				
Ĭ	c) A way to st	ore and organize data		b) A collection	on of algorithms	
		ore and organize data	d) A type of co	mputer hardware	
	2 -Which data	a structure is used for	implementing rea	cursion?		
1	a) Stack	b) Queue	the state of the s	c) List	-I\ A	
				C) LIST	d) Array	
	3-What is the	value of the postfix e	xpression 6 3 2 4	4+-*?		
	a) 74	b) -18		c) 22	d) 40	
					d) 40	
	4-The data st	tructure required for B	readth First Trav	oraal an a		
· · · ·	a) Array	b) Stack	.oudair iist mat		aph is?	
		D) Oldon		c) Tree	d) Queue	
	5 -The prefix	form of A D/ (C + D A	5)			
	a) -A/B*C^DE	form of A-B/ (C * D ^				
	a) SAID CADE	b) -A/BC*^I	DE c)	-ABCD*^DE	d) -/*^ACBDE	
	6 - Which of	the following is the m	oot wide a			
	a) B-tree	the following is the m	lost midely rised	external men	nory data structure?	
	c) AVL tre	e	D)	Red-black tre	ee	
			a)	Both AVL tre	ee and Red-black tre	e
	7 - What is the	advantage of a hash	table as a data	structure?		
	u) casy to	unbiement	h\ 21		data	
	c) exhibit g	good locality of refere	nce d) very	efficient for le	ess number of entric	
	8 - Which type	of data atrustum in			The state of the s	;3
	a) Hash	of data structure is a b) Array	ternary heap?			
				rity Stack	d) Priority Queue	Э
	9 - The numbe	r of elements in the a b) 14	idiacency matrix	, of a ! !		
		b) 14	c) 36	cor a graph h	naving 7 vertices is _ d) 49	•
In	titute					
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1	15					
•) 5					

	. n 1 1	uidaly used external me	mory data structure?
a) AVL tree	b) B-tree	widely used external me c) Red-black tree	d) Both a and c
11 -What is the tim a) O(nlogn)	ne complexity of uniform b) O(logn)	orm binary search? c) O(n)	d) O(n²)
		used to find the shortest	path from a sourc node
/	des in a weighted grapl D j ikstra's Algorithm	c) Prims Algorithm	d)Kruskal Algorithm
13 –What is the m	aximum number of s	wap that can be perform	ned in the selection
a) n-1	b) n	c) 1	d)n-2
14 - What is the t a) O(n)	ime complexity of th b) O(1)	e binary search algorit ১৯০(tog2n)	hm? d) O(n^2)
15 - Merge sort ca a) true	an be implemented us	sing O(1) auxiliary space b) false	
/	following method is u	used for sorting in merge	
c) selection		b) partitioning d) exchangir	
17 - Which of the	following is not in pla	ice sorting algorithm by	default?
merge sor		b) quick s	
c) heap sort		d) insertion	
18 - Which type	of Programming does	Python support?	
a) object-orie	ented programming	b) st	ructured programming
c) functional	programming	al) all	l of the mentioned
/ 19 - Which key	word is used for funct	ion in Python language?	7
a) Function		c) Fun	d) Define
20 - Suppose B	is a subclass of A, to	invoke theinit met	hod in A from B, what is
the line of code	you should write?		
_a/Ainit(sel	f)	b) E	3init(self)
c) Ainit(B)		d)	Binit(A)
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name: pranjali pati.





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Academic Year	: 2023-24	Class	: SY	
	Prerequisite	Question Paper		
	data structure?			
a) A programi	ming language	b) A	collection of algo	rithms
of A way to st	ore and organize data		pe of computer ha	
2 -Which data	a structure is used for in	nplementing recursion	n?	
a) Stack	b) Queue	c) Lis		d) Array
3-What is the	value of the postfix exp	pression 6 3 2 4 + - *	?	
a) 74	b) -18	c) 22		d) 40
				,
4-The data st	ructure required for Bre	eadth First Traversal	on a graph is?	
a) Array	b) Stack	c) T	Tree	Queue
E The metion	farm of A D//O + D + T		with which	
	form of A-B/ (C * D ^ E)			
/ aY-A/B*C^DE	b) -A/BC*^DE	c) -ABCI	D*^DE d) -/	*^ACBDE
6 - Which of	the following is the mos	st widely used externa	al memory data s	tructure?
B-tree		b) Red-b	lack tree	uotaro i
c) AVL tre	e	d) Both A	AVL tree and Red	-black tree
a) easy to i	advantage of a hash ta mplement ood locality of reference	b) faster acce	ure? ess of data nt for less number	of entries
8 - Which type a) Hash	of data structure is a te			
,	b) Array	c) Priority Stac		ty Queue
9 - The number a) 7	of elements in the adj	acency matrix of a gr c) 36	aph having 7 vert	rces is _

	/			
10	Which of the fo	b) B-tree	st widely used external r c) Red-black tree	nemory data structure? d) Both a and c
11	-What is the time a) O(nlogn)	e complexity of ur b) O(logn)	niform binary search? c) O(n)	d) O(n²)
/12	to all other nod	llowing algorithms are in a weighted graphs are in a weight are in	are used to find the shorte aph? c) Prims Algorithm	st path from a sourc node d)Kruskal Algorithm
	rt algorithm?	ximum number of	swap that can be perfor	med in the selection
	_a) n-1	b) n	c) 1	d)n-2
14	- What is the tir a) O(n)	me complexity of b) O(1)	the binary search algor	rithm? d) O(n^2)
15	- Merge sort car a) true	be implemented	using O(1) auxiliary spac b) fals	
16	a) merging c) selection	ollowing method is	s used for sorting in merg b) partitionir d) exchang	ng
17	- Which of the f	ollowing is not in p	place sorting algorithm by	/ default?
1	a) merge sort		b) quick	
	c) heap sort		d) inser	tion sort
18	3 - Which type of	Programming doe	es Python support?	
		ited programming		structured programming
	c) functional p			all of the mentioned
1		ord is used for fun	ction in Python language	?
<i>(</i>	a) Function	b) def	-,	d) Define
the	olume of code yo	a subclass of A, to u should write?	o invoke theinit me	thod in A from B, what is
	Ainit(self)	a oneala milo.	b)	Binit(self)
c)	Ainit(B)) Binit(A)
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AN ISO 9000-2008 Certified Institute

Computer Science & Engineering Department

Pre-requisite Result Sheet

Academic Year: - 2023-24

Class: - SY (CSE)

Sr No.	NAME OF STUDENTS	Marks
1	ONKAR UMAKANT IJARE	20
2	SAMPADA SHIVAJI SHINDE	20
3	VAISHNAVI BALASAHEB MATE	20
4	SANIYA SAMEER SHAIKH	20
5	SIDDHI PRAKASH MADANE	20
	SANIKA RAVIKIRAN JADHAV	no
6	SANJ GOUS TAMBOLI	20
7	PALAK RAHUL KUNKULOL	20
8	SHAHBAJ SALIM SHAIKH	18
9	ROHAN GANESH KOLEKAR	20
10	PIYUSH ARUN GAIKWAD	76
11	AMAN AYYUB MOMIN	100
12	JAGJEET ACHYUTRAO NIMBALKAR	20
13	KRANTI SURESH JADHAVAR	18
14	AMRUTA SANJAY JAGTAP	20
15	AYESHA SAMEER TAMBOLI	18
16	PRATIKSHA SURAJ ANKUSHRAO	no
17	AKASH DIGAMBAR KSHIRSAGAR	18
18	BHAGWANT DHANAJI HAJARE	20
19		
20	OM YUVRAJ BOTRE	20
we of the state of	ABHIJEET LAXMAN BHORE	18
1000	SHITAL SUBHASH NARWAD	20
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24	AMRUTA SUNIL MASTUD	15
25	SNEHAL RAJKUMAR SANAP	18
26	VINAYAK JAGADISH TELKAR	05
27	ROHIT DATTATRAY CHAVARE	150
28	MAHESH RAJESH GORE	20
29	YUVRAJ GANESH UBALE	- 06
30	HARSHAVARDHAN ARJUN SHELKE	07
31	ANUJA ARVIND JADHAV	20
32	SUPRIYA MANISH DHEKANE	20
	ONKAR VISHWAS WAYKULE	18
33	KARAN PRALHAD PHAD	06
34	JAY DHARMENDRA PATOLE	17
35	ANISH ANIL LOKHANDE	18
36	ADARSH SANJAY SUGANDHE	19
38	ATHARV KHANDERAO MADANE	18
39	KULDIPAK SADUBUVA WAGHMODE	05
40	SURAJ TANAJI CHOPADE	15
	ROHIT MANOHAR KAKADE	16
41	ROHIT SHAILESH BIRAJDAR	17
42	SADASHIV MADHUKAR SOMASE	15
43	PRATHAMESH DAYANAND PATHAK	00
44	ANUP ARVIND BAGADE	00
45	ASHUTOSH SANTOSH MASKE	17
46	RITESH RAJENDRA PATWARI	16
47	YASHVANT BHARAT PATIL	15
48	SHUBHAM DADA SHINDE	07
49	KARAN PRATAP KAKADE	17
50	SUMIT RADHAKISHAN SALAVE	09
51	SUJIT CHANDRASEN GAYKE	19
52	SAURABH BALIRAM CHAVAN	18
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56	SHRUTI SANDEEP POL	200
57	SAMPADA RAOSAHEB WALHEKAR	19
58	ATUL KAILAS GARJE	02
59	NOMAN MAHAMUDNAWAJ SAYYAD	05
60	VAISHNAVI SANTOSH CHAUDHARI	16
61	SARITA SHANKAR SATPUTE	15
62	SAKSHI MAHADEV SHELAKE	17
63	ROHIT SATISH MALI	18
64	PRANJALI SAYAJI PATIL	20
65	KANISHQ NITIN MOHITE	04
66	AZAAN YUSUF SHAIKH	09
67	ROHAN SAHADEV JAGTAP	18
68	YASH KANTILAL PAWAR	80
69	KORBU SADIK DILKHUSH	20
70	TAMBOLI MATIN ARIF	05
71	SHINDE MONIKA AMBADAS	20
72	WAKADE VINITA VITTHAL	20
73	GORE VAIBHAVI VIJAYKUMAR	20
74	PATHAN FAIJAN YUSUFKHAN	03
75	BHADAKAWAD DEEPA DAVID	00
76	DHAME ANJALI MAHADEV KUTWAL RUTUJA SANTOSH	15
77	MANGADE PRAPTI DHANAJI	00
78	SAWANT SAKHI DHANANJAY	20
79	HONRAO SHREYASH RAJKUMAR	0)
80	BARATE GANESH	16
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Computer Science & Engineering Department

List of Bright and Weak Student

Academic Year: - 2023-24

Class: - SY (CSE)

r no.	NAME OF STUDENTS	Strength
1.	VAISHNAVI BALASAHEB MATE	М
2.	SHAHBAJ SALIM SHAIKH	М
3.	ROHAN GANESH KOLEKAR	М
4.	AMAN AYYUB MOMIN	М
5.	KRANTI SURESH JADHAVAR	М
6.	ABHIJEET LAXMAN BHORE	M
7.	VISHNU DEOKAR SWEETI	М
8.	ROHIT DATTATRAY CHAVARE	M
9.	YUVRAJ GANESH UBALE	М
10.	HARSHAVARDHAN ARJUN SHELKE	M
11.	JAY DHARMENDRA PATOLE	M
12.	ROHIT MANOHAR KAKADE	M
13.	ROHIT SHAILESH BIRAJDAR	M
14.	SADASHIV MADHUKAR SOMASE	M
15.	PRATHAMESH DAYANAND PATHAK	M
16.	ASHUTOSH SANTOSH MASKE	M
17.	RITESH RAJENDRA PATWARI	М
18.	YASHVANT BHARAT PATIL	M
19.	KARAN PRATAP KAKADE	M
20.	SUMIT RADHAKISHAN SALAVE	M
21.	SAURABH BALIRAM CHAVAN	M
22.	YASH KANTILAL PAWAR	М
23.	WAKADE VINITA VITTHAL	M
24.	DHAME ANJALI MAHADEV	M
25.	BARATE GANESH ANNASAHEB	M
26.	ONKAR UMAKANT IJARE	S
27.	SAMPADA SHIVAJI SHINDE	S
28.	SANIYA SAMEER SHAIKH	S
29.	SIDDHI PRAKASH MADANE	S
30.	SANIKA RAVIKIRAN JADHAV	S
31.	SANJ GOUS TAMBOLI	S
32.	PALAK RAHUL KUNKULOL	S



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33.	JAGJEET ACHYUTRAO NIMBALKAR	S
34.	AMRUTA SANJAY JAGTAP	S
35.	AYESHA SAMEER TAMBOLI	S
36.	PRATIKSHA SURAJ ANKUSHRAO	S
37.	AKASH DIGAMBAR KSHIRSAGAR	S
38.	BHAGWANT DHANAJI HAJARE	S
39.	OM YUVRAJ BOTRE	S
40.	SHITAL SUBHASH NARWAD	S
41.	MAHESH RAJESH GORE	<u>s</u>
42.	ANUJA ARVIND JADHAV	<u>s</u>
43.	SUPRIYA MANISH DHEKANE	
44.	ONKAR VISHWAS WAYKULE	S
45.	KARAN PRALHAD PHAD	S
46.	ANISH ANIL LOKHANDE	S
47.	ADARSH SANJAY SUGANDHE	<u> </u>
48.	ATHARV KHANDERAO MADANe	S
49.	SHRUTI SANDEEP POL	<u> </u>
50.	SAMPADA RAOSAHEB WALHEKAR	S
51.	SARITA SHANKAR SATPUTE	S
52.	SAKSHI MAHADEV SHELAKE	S
53.	PRANJALI SAYAJI PATIL	S
54.	TAMBOLI MATIN ARIF	S
55.	SHINDE MONIKA AMBADAS	S
56.	GORE VAIBHAVI VIJAYKUMAR	S
57.	KUTWAL RUTUJA SANTOSH	S
58.		S
59.	MANGADE PRAPTI DHANAJI	S
60.	SAWANT SAKHI DHANANJAY	S
61.	PIYUSH ARUN GAIKWAD	W
	AMRUTA SUNIL MASTUD	W
62.	VINAYAK JAGADISH TELKAR	W
63.	KULDIPAK SADUBUVA WAGHMODE	W
64.	SURAJ TANAJI CHOPADE	W
65.	ANUP ARVIND BAGADE	W
66.	SHUBHAM DADA SHINDE	W
67.	SUJIT CHANDRASEN GAYKE	W
68.	SATENDRA BABAN DHEPE	W
69.	DNYANESHWAR MARUTI GAVADE	W
70.	ATUL KAILAS GARJE	W
71.	NOMAN MAHAMUDNAWAI SAYYAD	W
72.	VAISHNAVI SANTOSH CHAUDHARI	W
73.		W
74.	KANISHQ NITIN MOHITE	W
75.		W
76	ROHAN SAHADEV JAGTAP	W



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77.	KORBU SADIK DILKHUSH	l w
78.	PATHAN FAIJAN YUSUFKHAN	W
79.	BHADAKAWAD DEEPA DAVID	W
80.	HONRAO SHREYASH RAJKUMAR	W







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