Name-Shubham Negi
Rall no - 2023104
Counce - RSC IT
section-B
1 19 14 (Myorus 2 (E) Lay Drug 2 (E)) 5
Ans. 27 SCAN Disk Scheduling Algorithm:
include <stdio.h></stdio.h>
int main()
2
int queve [25], n, headposition, i, i, k, seek=0,
maxmange, dittingué, temp, queve 1 [20],
queve 2 [20], temp (=0, temp 2=0;
flogt average scektime;
print ("Enter the murinum mange of
Disk : ");
· Scant ("4.d? & maxmange);
print (66 Enter the number of queve
negvests: ");
scant ("1.d", & N;
print ("Enter the initial head position:");
sant ("/d", & headposition);
prints ("Enter the disk positions to be
nead (aveve): ");
for (i=1; ic==n'; i++)
Sount (66 y.d", & temp);
it (temp > headposition)

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18		
9,00	ve 1 [temp 1] = temp;	
	temp 1++;	
3		
els	Grant (in the in the interpretation of the	
\$	head layeres ; 13	
air	rue 2 [temp2] = temp;	LE SO PE
The contract of the contract o	temp 2++;	
2	it Intern the initial fred	Postille : 1
2	(00+10-49, E-1)	
to	$n (i=0:i \neq k = 1 = 1:i = 1)$	
5	n (i-o; ictemp1-1; i++)	100 Sara
	on (j= i+1; j < +rm1; j++)	
5	of the second se	
The state of the s	if (queve 1 [i] > queve I [i]	
9	+ GOOLOGIT FILLS LOGOS TELL)
dans		
No. 1	temp=queve1[i]i	To Free 13
1144 0	quevel [i] = quevel[s];	12 Jan 1
72	quever[j] = temp;	1441-7
3 5	VA(2-0.11) 0 10 10 10 10 10 10 10 10 10 10 10 10 1	
2 +1	on (i=0 jik temp2 -1; i++)	
1	- (1-11); ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
12/2/21	(Hisi 2dmpt 2; 1+1=1) TO	
	1/2	
5	f (queue 2[i] (quueue 2[i])	7
2		
	temb=quruez[i];	
	quevez[i] = quevez[i];	
722	queue 2[i] = temp;	
333		Shubham
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	Subject Counse - BSC IT
	Section -B
	· for (i=1,i=0; i<+rmp1; i++, i++)
I TO	
	queve [i] = quevelliji
	3 The second of
	queue [i] = maxnange;
	for (i=temp 1+21=0; it+pitt)
	§ Section of the sect
	queve (i] = queve 2 [s];
	3
	queue (i)=0;
	queve [0] = é headposition;
	fon(i=0; i<=n; i++)
_ ,	E Commence of the second secon
	différence = absolut « Value (queue Liti]-
	que [i])
	Seek = Seek + diffuence;
	prints ("Disk head moves from position
	"/d to 1/d with seek 1/d In,
	avveue [i], queve [i+1], difference)
	3
	averuge Seek Time = Seek / (float) ni
	print (Total Seek Time = 7. alk , seek)
	print (60 Total Seek Time = Y.d/n') seek); print (60 Average Seek Time = 1/- +\n')
	avinage Seek Time);
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Shubham Negi 20051097

3	
int absolute value	(int x)
\$	CONTRACTOR STATE
i+(x>0)	Time , 4. d. + 3. 1. pt - 1.
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netunn xi	
3	FIRE THE RESIDENCE OF THE PERSON OF THE PERS
ese	many hold that
5	and the second s
netunn XX-1;	
8	
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a something all seasons	
THE STATE OF THE S	X (+
THE RESERVE AND ADDRESS OF THE PARTY OF THE	

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```
Enter the maximum range of Disk: 99
Enter the number of queue requests: 7
Enter the initial head position: 24
Enter the disk positions to be read(queue): 12
26
24
6
42
500
Disk head moves from position 24 to 26 with Seek 2
Disk head moves from position 26 to 42 with Seek 16
Disk head moves from position 42 to 50 with Seek 8
Disk head moves from position 50 to 99 with Seek 49
Disk head moves from position 99 to 24 with Seek 75
Disk head moves from position 24 to 12 with Seek 12
Disk head moves from position 12 to 8 with Seek 4
Disk head moves from position 8 to 4 with Seek 4
Total Seek Time= 170
Average Seek Time= 24.285715
```

Process exited after 88.03 seconds with return value 0
Press any key to continue