Lab-02		
Task-1		
Using hi,		
Step-1: Enqueue 5		
Praority Queue	weight (w) Ex	ploned
5	S: 0	
Step-2: Dequeue [3]		
Prainty Queue	(w) [g(w)]	Explosed
$\frac{1}{2}(\omega) = 2(\omega) + p(\omega)$	S:O	S
< _& A	A:2 B:4	

S+B.

Step-3: Dequeue A			
Praoraty Queue	[[a]e] topica	Exploned	
CB		/S-, A	
,	B: **3	£ ]	
S-A-BOOGO S-A-C	c: 6000000	7:59	
	( 1 / 1 / 1 / 1 / 2 / 1 / 1 / 2 / 1 / 2 / 1 / 2 / 2	1 Chironal	
Priority Queue	Weight [9(w)]	Explored	
GB	5:0 A:2	ACSA Q	
S-A-C-BG	B 1/3 C:6 G:9	11/1009	
	Gt. S		

Step: 5: Dequeue [G] - Path found.

Using h2,	1 /		11 : 22
Step-1: Enquere & S			
Priority Queue Weight S: C			ploned
Step-2: Dequeue S	Č		7(- + - : . d- /
<u> </u>	et 9197	ingract	Explored
JAB I S→A	s; 2 s: 4		
S→B ()			
Step-3: Dequeve A  Riving Queve —  [B]C ]  S-+A-+B	Deight 5:0 A:2 B:3		Explored S A

8.3 5-0A-0C.

## Step: 4: Dequeue B

Priority Quale Weight Explored

S: 0

S A B

S>A A B B: 3

C: 5

S A B B: 3

C: 5

Gi. 9

Dep-5: Dequeue C

Priority Queue Deight Explored

5:0

A:2

 $S \rightarrow A \rightarrow B \rightarrow C \rightarrow G$  G: 8.

Step-6: Dequeue Go - Path found.