Rayat Shikshan Sanstha's

Name of the college : S.G.M. college, karad.

Subject: Electronics.

Expt. No. 6

Date 29/08/24

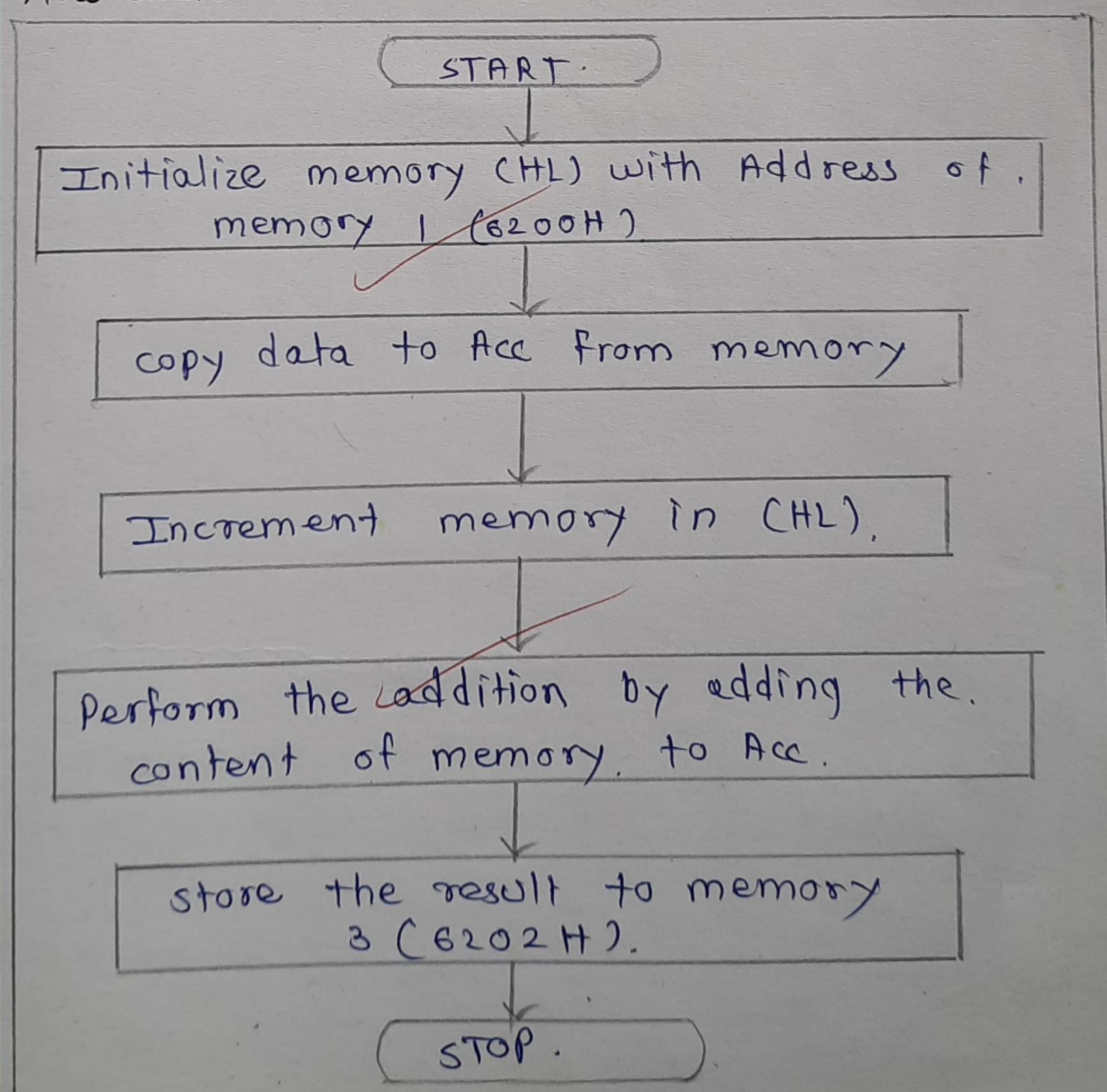
Name : [redacted] Class: BCS-II Batch: Roll No.: [redacted]

Title of Expt.: Addition by using Indirect addressing mode.

Aim – study the ALP Program of addition by using indirect addressing mode in 8085 µP.

Apparatus – Power supply, 8085 µp kit.

Flow chart –



Remarks: C

Signature: Dalwade 16/10/2024

Expt. No. 8 Date: / /20

Program –

memory location.	Mnemonic code.	Machine code.	comment.
6000H.	LXI HL, 6200H	21	Load immidiate HL.
6001H.		00	Pair with co
6002H		62	
6003H.	MOV A,M.	7E.	
6004H	INX, H.	23	Increment in HL pair
6005H	ADD A,M.	86	Add memory in Ac.
6006H	STA, 6202H.	32	store result into
6007H.			location (6202H)
6008H		02	
6009H	RST 1.	62	
~~600~~		Cf.	STOP

Result –

Memory Location	Data.
6200H.	04H.
6201H	02H.

6202H.	06H.
memory location	Data.