Rayat Shikshan Sanstha's

Name of the college : SGM College, Karad.

Subject: Electronics.

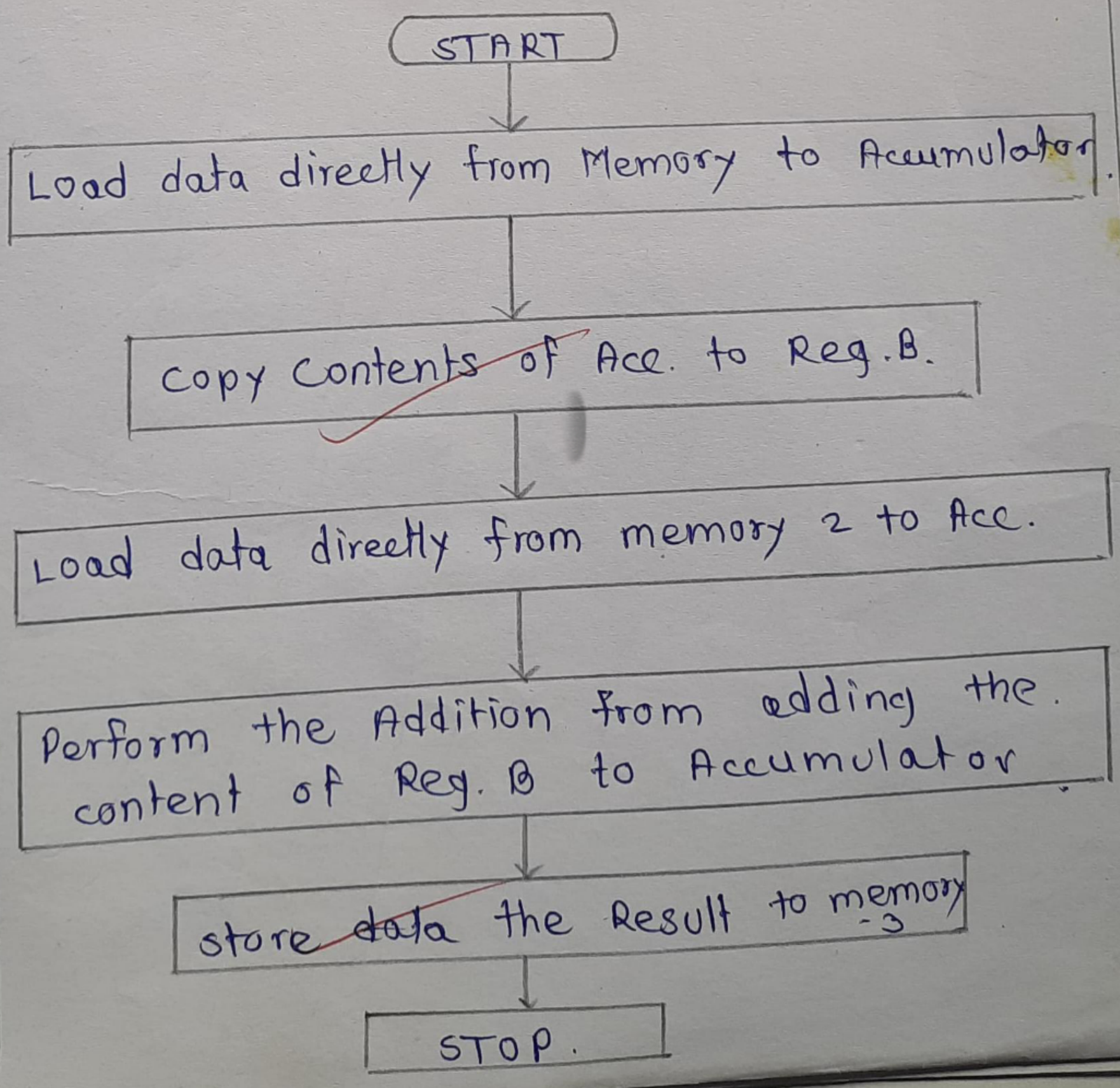
Expt. No. 4 | Name : [redacted] Class: BCS-II Batch: Roll No.: [redacted]

Date 08/08/2024 | Title of Expt.: Addition by using direct addressing mode

Aim – study the ALP program of addition. by using direct addressing mode. in 8085 up.

Apparatus – Power supply, 8085 up kit etc.

Flowchart – Addition.



Remarks: C

Signature: Dhulgade 8/10/2024

Expt. No. 4 Date: / / 20

Program —

Memory Address	Mnemonic	Machine code	Comment.
6000H	LDA 6200H	3A	Load Acc with
6001H		00	content in.
6002H		62	memory 6200H
6003H	MOV B,A	47	Move data from. Acc. to reg. B.
6004H	LDA 6201H	3A	Load Accumulator.
6005H		01	with memory.
6006H		62	6201 H.
6007H.	ADD B.	80	Addition in Register B.
6008 H	STA, 6202H	32	
6009 H.		02	store Result into
600A H		62	Location 6202 H
600BH	RST 1	6F	STOP.

Result —

Memory Location	Data.
6200 H	04
6201 H	02.
6202 H.	Result 06