Rayat Shikshan Sanstha's

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

Subject: Electronics.

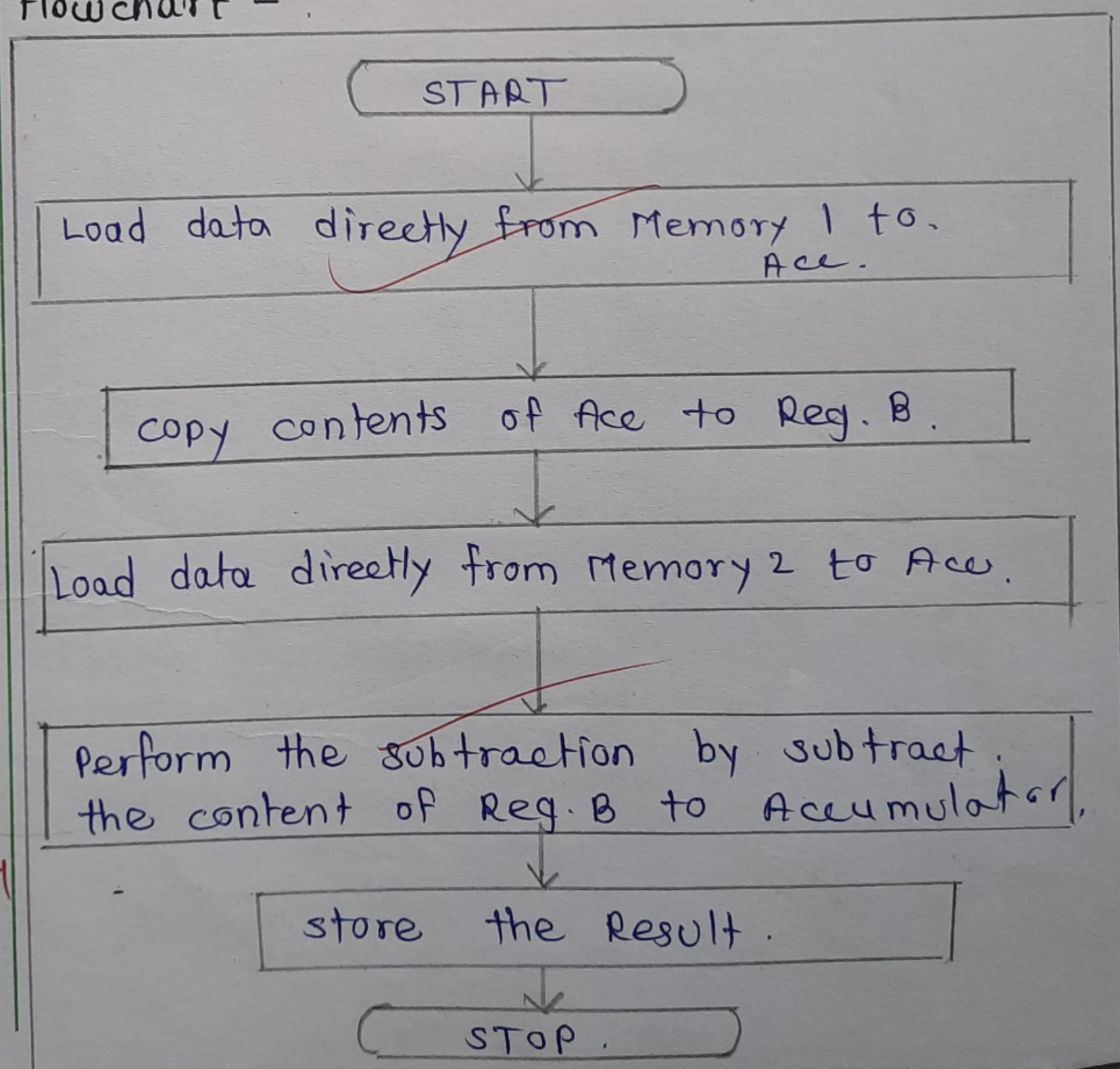
Expt. No. 5 | Name : [redacted] Class: BCS -II Batch: Roll No.: [redacted]

Date 22/08/2024. Title of Expt.: substraction by using direct addressing mode.

Aim - To study the ALP program of substraction by using direct addresing mode in 8085 up.

Appratus - Power supply, 8085 up kit etc.

Flowchart -



C
Remarks

Signature

Expt. No. 5 Date: / / 20

Program –

Memory address	Mnemonic code	Machine code	Comment.
6000H	LDA 6200H.	3A	Load Acc with.
6001H		00	content in memory
6002H		62	6200H.
6003H	MOV B,A	47	Move data from Acc to Reg. B.
6004H	LDA 6201H.	3A	Load Acc with.
6005H		01	content in memory
6006H.		62	6201 H.
6007H.	SUB, 6202H B.	90	substraction in. Reg. B.
6008H	STA, 6202H	32	store Result into.
6009H		02	location 6202 H.
600AH		62.	
600BH.	RST 1.	CF	stop.

Result –

Memory location	Data
6200H	04
6201H.	02
6202H	02.