Rayat Shikshan Sanstha's

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

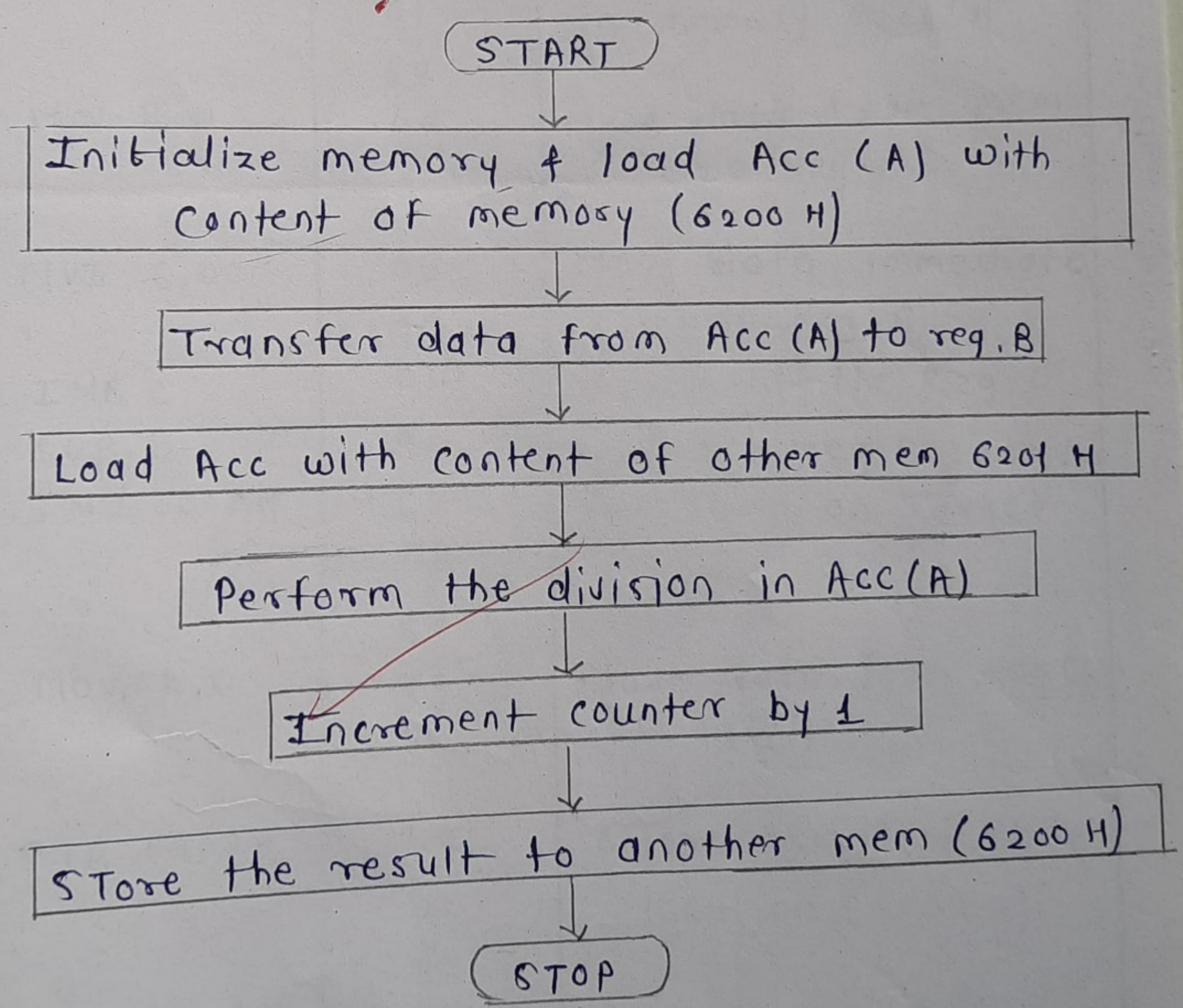
Subject: Electronics

Expt. No. 9 | Name : [redacted] Class: BCS-II Batch: _____ Roll No.: [redacted]

Date 7/10/2024 | Title of Expt.: Division by using 8085 up

Aim :- Write & study the ALP program using 8085 up for division.

Flow Chart :-



Remarks: C

Signature: Dalvade 18/10/2024

Expt. No..... Date: / / 20

Program :-

Memory Address	Mnemonic code	Machine code	Comment
6000H	LXI, 6200H	21	Load Acc with content
6001H		00	in memory 6200 H
6002H		62	
6003H	MOV A, M	7E	Move data from mem to Acc
6004H	LXIH, 6201 H	21	Load Acc with content
6005H		01	in memory 6201 H
6006H		62	
6007H	MOV B, M	46	Move data from mem to Reg. B
6008H	MVI, C, 00	0E	Move data immediate
6009H		00	into Reg. C
600AH	INR C	0C	increment the Reg. C
600BH	SUB, B	90	Subtract reg B from Acc
600CH	JNZ 600AH	C2	~~Acc~~ Jump on Target
600DH		0A	
600EH		60	
600FH	MOV A, C	79	Move data from reg C to Acc
6010H	STA 6202H	32	STore result into
6011H		02	location (6202 H)
6012H		62	
6013H	RST 1	CF	STOP

Result :-

Memory location	Data
6200 H	4H
6201 H	2H

Memory location	Data
6202 H	2H