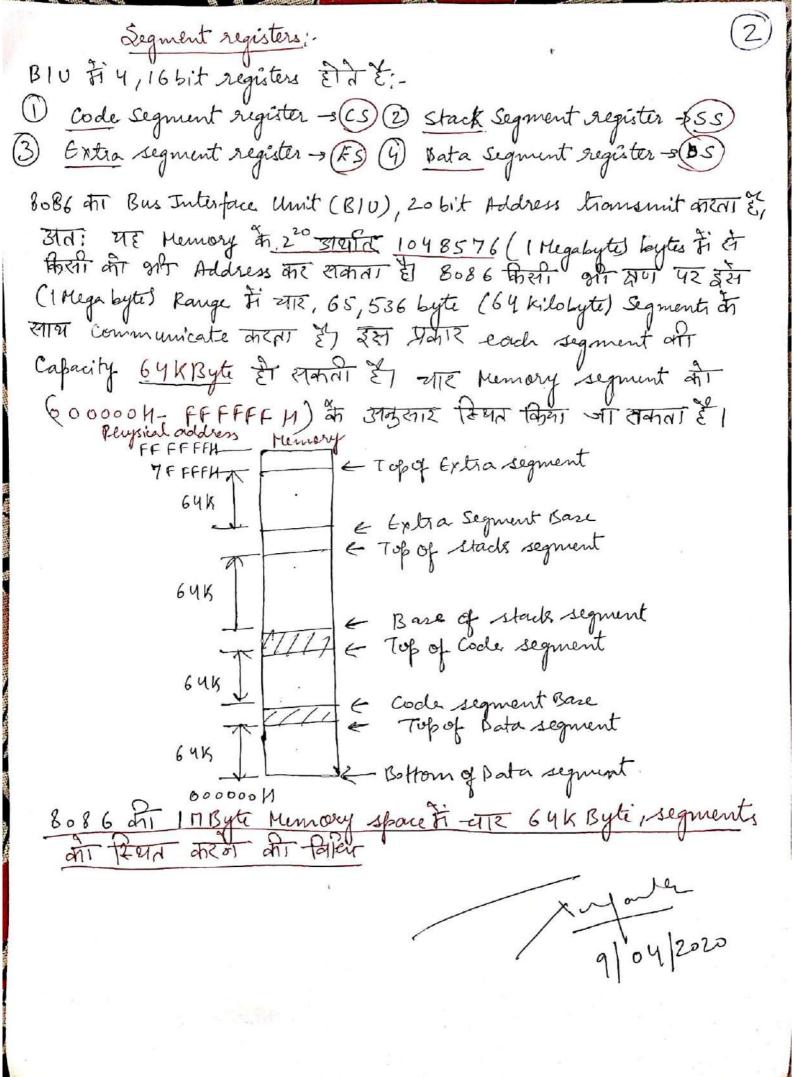
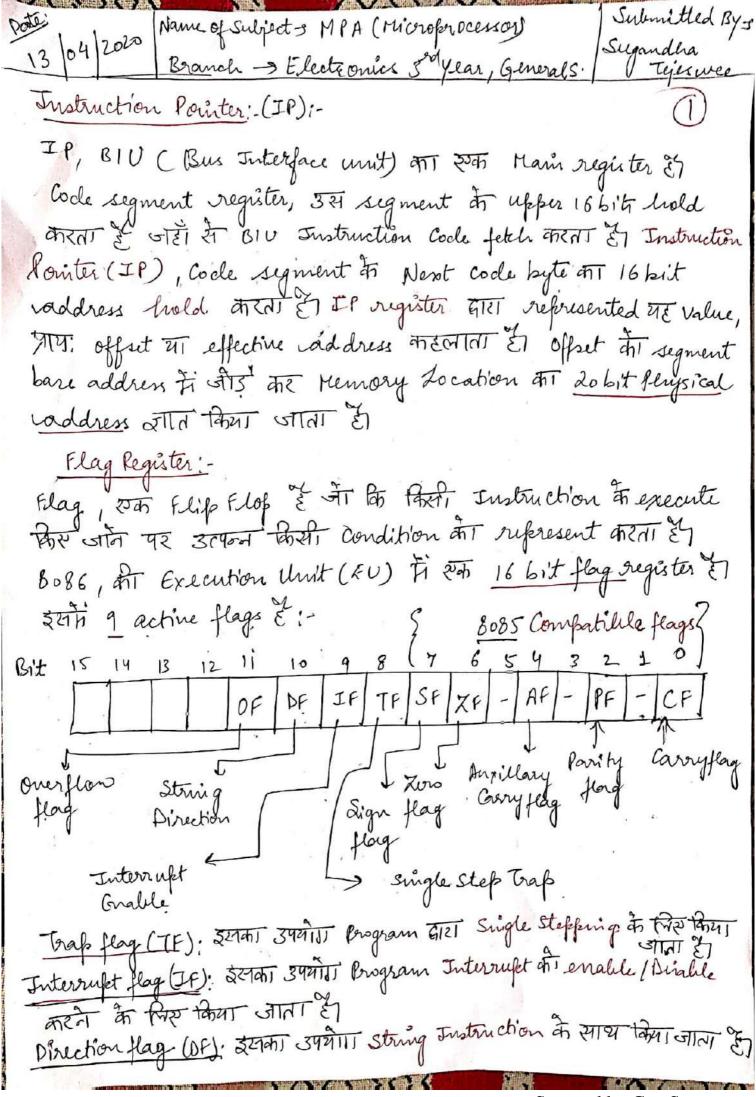


(z)Intel 8086 245 16 bit HMOS microforocessos ET 2) ne can yorin IC Package El (3) HE 5V de supply 42 operate ARMI E, SHI ZOLIT Address Bus (el 16 bit Data bus &) (9) 16 bit Data Word low order and light order byte Fi Divide ZEAT ET 1 20 bit Anta Address bus tultiplexed made Fi operate Elar El 6) 16 low order Add lines Data å 21121 (121 4 lighorder lines status signals an ATH Multiplexed Eldi &1 8086 ATT CPU at 3101 STOUT Pourt Fi Divide E:a) BIU (Bus Interface Unit) b) EU (Execution Unit) द्वा आहा में Divide होते के कारण, 8086 में fast perocessing > BIU, Address aller storal & remory & Instruction Fetch total E, Ports and Hemory & Data read areal & Ports and Memory & Data Write areal & BIU, EU & Are bus uz zinen Data era Address ar transfer an anzi Eraura करती है। यह रक 6 byte का ofcode Quene औ वरानर बनार Justinction and Decode one of Ed and Ed and E Juene: - Program Execution at speed up to the BIU, Hemory & 6 instruction byte, EU at The, registers at 24 FIFO group (First in First out group) HECTE PAR MINE & FIET OVE UE AREN E', JE EU mert instruction execute dies of the ready Eld & AT dE BIU on Queue & Justruction 46 A of E1 48 Process, System memory 42 of address HIT AR, Memory FIRT next instruction gist off of all प्रतीक्षा करने से, कहीं अधिक तीव (fast) है। 8 04 2020

Pater Surject > MPA (Microferocessor & Afeb)
Date: Surject > FIPA (Microferocessor & Afep) Branch > Electronics 3od year, General S. Sugandha Cejes we
Registers of 8086:- 8086 år registers ån following types Fi Classify farus Stat E:- (reneral Purpose registers Segment registers (3) Stack Pointer registers (4) Other Pointer and Index registers
Accumulatin AX A H A L Base BX B H B L Count CX C H C L Dater DX D H D L
Stack Pointer Base Pointer Be Scource Index SI Destination Judex Register Code Segment CS Data Segment Stack Segment SS Extra Segment ES
Stack Segment SS Régister Extra Segment ES Tustruction Pointer IP
flags S.Z.M.P., Cy OFDF IF TF SF ZF AF PF CF. Creveral Purpose Registers: - (GPR):- → Julel 8086 前 (execution unit) EU, 前 8 General Purpose registers 芒 → AH, M., BM, BL, CM, CL, DH and CL → えの Registers 前に 37回に 37回に 8 bit Data 南 Temporary storas 衛 阿沙 知に 南町 ST 社内のでと ます られる 南京 南京 南京 南京 日本 日本 日本 では 日本 といる ことのよる といる ことのなる できる ことのなる できる ことのなる できる ことのなる ことのな





Stack, Hemory the de Section & Get Subprogram in execution in the raddress and Data store that El 8086 fi 64 kByte all Total Sigment stack in the reserve etal STATET SET segment in starting caddress in upper 16 bits whack segment (SS) fi hold tent I SP (Stack Pointer) register, segment in Start in 321 Hemory Location in offset Hold in Enter the start in Start in 321 Hemory Location in offset Hold in Enter the start in Star

Other Pointers and Index registers!

Execution unit (EU) Fi, SP register an 3101101 ? Pan 16 bit base Poriter register and 16 bit destination under register Eta Eg and Registers and 3421111 General Rurpose register and cree Data of Temporary storage to the tabus stars Et and the total south to segment Et Data Word an 16 bit offset and hold attention to fact stars and the south and the segment Eta Data Word and 16 bit offset and hold attention to fact stars and stars and the segment Eta Data Word and 16 bit offset and hold attention to fact stars and stars a

Segment 16814 Lingelied Kerns
Address of July
Offset July
Physical 20 bit
Address

O Jutel 8086 Hi 2 Operating Modes & Minimum mode

(2) All Art Computer system to and 8086, CPU THAT ETATE

ON Himmum mode to operate ETAT & SA Mode to CPU THAT ETATE

(ATT I/O at PART MART MODER TO CONTROL signal of STATE

(3) ETAT System Goth 3Total Microfrocessor THAT ARE STATE, AT operation

Maximum mode to ETAT &