





Attempt any two: (1) Write the bit patterns to set the interrupts and to sense the pending interrupts. Explain it with example. Explain the role of priority encoder in in errupt with example. Write a prog. to implement a break point facility at RST 5 for user. When interrupt to their display the accumulator content and flags when HEX key 'C' is pressed. Exit the break point routine and continue execution when the zero key is pressed: Assume that when a keyboard routine is called it returns the binary key code of the key pressed in the accumulator. Attempt any two : (1) Write assembly language prog to convert 8-bit binary to Gray code. Also write the algorithm for the same. Ten such numbers are stored in memory (2) Write short note on DMA and DMA controller IC 8257 Interfacing. 10 Hex no. are stored at location starting f om D500H. (3) Convert that in BCD and store that at location starting from D600H. PUSH PSW PUSH B LYT H, OOO DAD SP AIM RE-6787-88] [200] 1102 KHEHLE