Group 1

|  |  |
| --- | --- |
| **Opcode** | **Operation** |
| 0H | LDA address |
| 1H | MOV B, A |
| 2H | MOV C, A |
| 3H | MVI A, byte |
| 4H | ADI byte |
| 5H | DCR A |
| 6H | XRA C |
| 7H | ORA B |
| 8H | ANA C |
| 9H | XRI |
| AH | CMA |
| BH | DIV2 |
| CH | JMP address |
| DH | OUT |
| EH | NOP |
| FH | HLT |

Group 2

|  |  |
| --- | --- |
| **Opcode** | **Operation** |
| 0H | LDB address |
| 1H | MOV A, B |
| 2H | MOV C, B |
| 3H | MVI B, byte |
| 4H | SBI byte |
| 5H | INR A |
| 6H | XRA C |
| 7H | ORA C |
| 8H | ANA B |
| 9H | ANI |
| AH | CMA |
| BH | RAR |
| CH | JMP address |
| DH | OUT |
| EH | NOP |
| FH | HLT |

Group 3

|  |  |
| --- | --- |
| **Opcode** | **Operation** |
| 0H | LDC address |
| 1H | MOV B, C |
| 2H | MOV A, C |
| 3H | MVI C, byte |
| 4H | ACI byte |
| 5H | INR A |
| 6H | XRA B |
| 7H | ORA C |
| 8H | ANA C |
| 9H | ORI |
| AH | CMA |
| BH | RAL |
| CH | JMP address |
| DH | OUT |
| EH | NOP |
| FH | HLT |

Group 4

|  |  |
| --- | --- |
| **Opcode** | **Operation** |
| 0H | LDC address |
| 1H | MOV A, B |
| 2H | MOV C, B |
| 3H | MVI B, byte |
| 4H | SBI byte |
| 5H | DCR A |
| 6H | XRA B |
| 7H | ORA C |
| 8H | ANA B |
| 9H | XRI |
| AH | CMA |
| BH | DIV2 |
| CH | JMP address |
| DH | OUT |
| EH | NOP |
| FH | HLT |

Group 5

|  |  |
| --- | --- |
| **Opcode** | **Operation** |
| 0H | LDA address |
| 1H | MOV B, C |
| 2H | MOV A, C |
| 3H | MVI C, byte |
| 4H | SUI byte |
| 5H | INR A |
| 6H | XRA C |
| 7H | ORA C |
| 8H | ANA B |
| 9H | ORI |
| AH | CMA |
| BH | MUL2 |
| CH | JMP address |
| DH | OUT |
| EH | NOP |
| FH | HLT |

Group 6

|  |  |
| --- | --- |
| **Opcode** | **Operation** |
| 0H | LDB address |
| 1H | MOV B, A |
| 2H | MOV C, A |
| 3H | MVI A, byte |
| 4H | ACI byte |
| 5H | DCR A |
| 6H | XRA B |
| 7H | ORA B |
| 8H | ANA C |
| 9H | ANI |
| AH | CMA |
| BH | RAR |
| CH | JMP address |
| DH | OUT |
| EH | NOP |
| FH | HLT |

Group 7

|  |  |
| --- | --- |
| **Opcode** | **Operation** |
| 0H | LDA address |
| 1H | MOV C, A |
| 2H | MOV A, B |
| 3H | MVI B, byte |
| 4H | SUI byte |
| 5H | DCR A |
| 6H | XRA C |
| 7H | ORA B |
| 8H | ANA C |
| 9H | XRI byte |
| AH | CMA |
| BH | MUL2 |
| CH | JMP address |
| DH | OUT |
| EH | NOP |
| FH | HLT |