

- 1) 2x4 Decoder
- 2) Octal to binary Encoder

### 3) 4×1 Multiplexer

- 12.Explain decoder explain with diagram.
- 13.Explain Quadruple Multiplexer with block diagram and truth table.
- 14.What is register? Explain register with parallel load with diagram.
- 15.Explain shift register with diagram.
- 16.Explain synchronous binary counter with diagram.
- 17.What is memory? Explain internal structure of memory unit.
- 18.Explain RAM with block diagram.
- 19.Explain ROM with block diagram.
- 20.Explain types of ROM.