B.Sc. (Computer Science) Internal Examination, Feb 2017

Electronics 2- Principles of Digital Electronics

Class: F.Y.B.Sc   **Marks: 20**

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Q.1 Attempt the following: **[2×4=08]**

a) What is Multiplexer & Demultiplexer.

b) What is two types of logic families.

c) What is Encoder & Decoder.

d) What is shift register & types of shift registers.

Q.2 Attempt Any three of the following: **[3×4=12]**

a) Explain J-K Flip/Flop with its logic diagram & truth table

b) Write the parameters of Logic Families.

c) Draw logic diagram & working of 4:1 Multiplexer in details.

d) Explain the working Octal to Binary encoder.

=============== **Best of Luck** ===============