

[4218] – 6

F. Y. B. Sc. (Computer Science) Examination, October – 2012

**ELECTRONICS**

**(Paper - II)**

**11312 – Fundamentals of Digital Electronics**

**(2008 Pattern)**

**Time : Three Hours**

**Total Marks : 80**

- Note :**
- (i) *All questions are compulsory.*
  - (ii) *Use of non-programmable electronic calculator is allowed*
  - (iii) *Draw neat diagrams wherever necessary.*

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**Q. 1. Attempt all of the following questions : [8×2=16]**

- (a) What is parity? What is the use of parity bit?
- (b) State two de Morgan's theorems.
- (c) Define modulo of a counter. Give number of flipflops required for MOD 5 counter.
- (d) Write the formulae for output frequency and duty cycle for Astable multivibrator using IC 555.
- (e) Write truth table of 1 : 2 demultiplexer.
- (f) Give the full form of EPROM and EEPROM.
- (g) For 4 bit R-2R type DAC with binary input 0101, find output voltage if  $V_{ref} = 5V$ .
- (h) What is the use of Assembler?

# Digital Electronics Question Paper With Answer

**Clifford Lane**



## Digital Electronics Question Paper With Answer:

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