

[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

**N Noddings**



**Digital Electronics Question Paper With Answer :**

## Unveiling the Energy of Verbal Beauty: An Psychological Sojourn through **Digital Electronics Question Paper With Answer**

In a global inundated with displays and the cacophony of immediate conversation, the profound power and psychological resonance of verbal beauty often fade into obscurity, eclipsed by the constant assault of sound and distractions. However, nestled within the lyrical pages of **Digital Electronics Question Paper With Answer** , a fascinating perform of literary elegance that impulses with fresh thoughts, lies an memorable trip waiting to be embarked upon. Composed with a virtuoso wordsmith, this exciting opus manuals viewers on a psychological odyssey, lightly revealing the latent possible and profound affect stuck within the intricate web of language. Within the heart-wrenching expanse of this evocative evaluation, we shall embark upon an introspective exploration of the book is main themes, dissect their captivating writing fashion, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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