

## Scheme – I

### Sample Question Paper

Program Name : Electronics and Computer Engineering Program Group  
Program Code : CO/CM/CW/DE/EJ/ET/EN/EX/IE/IS/IC/MU  
Semester : Third  
Course Title : Digital Techniques  
Marks : 70

**22320**

Time: 3 Hrs.

#### Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

#### Q.1) Attempt any FIVE of the following.

10 Marks

- a) Write the base of the following number systems: Decimal, Binary, Octal, and Hexadecimal.
- b) Draw symbol and write the truth table of JK flip flop.
- c) State the necessity of multiplexer.
- d) Write excitation table of D flip flop.
- e) List any two specifications of IC- DAC 0808.
- f) Draw three variable K-map format.
- g) Define modulus of a counter? Write down the number of flip flops required for mod-5 counter?

#### Q.2) Attempt any THREE of the following.

12 Marks

- a) For the given figure No. 1, derive the Boolean expression of Y.

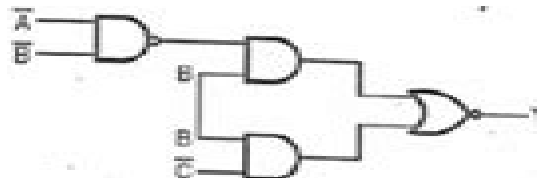


Figure No. 1

# Sample Question Paper Of Digital Techniques G Scheme

**Jicheng Xie**



## **Sample Question Paper Of Digital Techniques G Scheme:**

## Unveiling the Power of Verbal Art: An Psychological Sojourn through **Sample Question Paper Of Digital Techniques G Scheme**

In some sort of inundated with monitors and the cacophony of fast conversation, the profound power and psychological resonance of verbal beauty usually fade in to obscurity, eclipsed by the constant barrage of noise and distractions. However, located within the musical pages of **Sample Question Paper Of Digital Techniques G Scheme**, a fascinating work of fictional splendor that impulses with raw feelings, lies an remarkable journey waiting to be embarked upon. Penned by a virtuoso wordsmith, this interesting opus guides readers on an emotional odyssey, delicately revealing the latent possible and profound influence embedded within the delicate internet of language. Within the heart-wrenching expanse of the evocative evaluation, we can embark upon an introspective exploration of the book is key styles, dissect its captivating publishing model, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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