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**Question Paper Code : 80122**

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2019

Fourth Semester

Electronics and Communication Engineering

EC 8453 — LINEAR INTEGRATED CIRCUITS

(Common to B.E. Medical Electronics/B.E. Robotics and Automation Engineering/  
B.E. Biomedical Engineering)

(Regulation 2017)

Time : Three hours

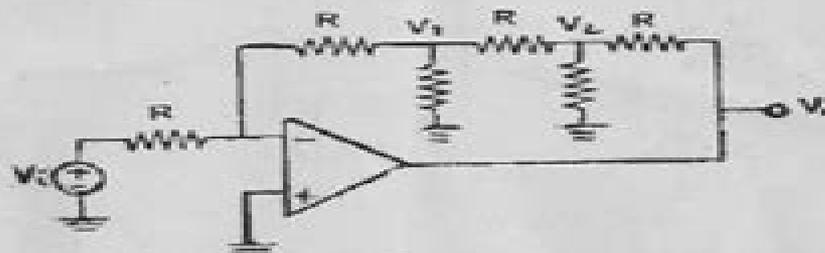
Maximum : 100 marks

(Codes / Tables / Charts to be permitted, if any may be indicated)

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State the significance of current mirror circuit.
2. Mention the application of LF155.
3. Find the gain of  $V_o / V_i$  of the circuit.



4. How does a zero crossing detector work?
5. What is Gilbert multiplier cell?
6. List the basic building blocks of PLL.

# Linear Integrated Circuit Sample Question Paper

**Lei Huang**



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