Total No. of printed pages = 4

EC 131701

Roll No. of candidate

2018

B.Tech. 7th Semester End-Term Examination

LINEAR INTEGRATED CIRCUITS

Full Marks – 100   Time – Three hours

The figures in the margin indicate full marks
for the questions.

GROUP A

Answer ALL questions.

1. Choose the correct answer :   (10 × 1 = 10)

    (i)   An unity gain amplifier is also known as
          _____ (difference amplifier/ comparator/
          single ended / voltage follower)

    (ii) If the (+) terminal of an inverting op-amp is
          connected to the ground the (–) terminal will
          _____ (not need an input resistor/ be
          virtual ground / have high reverse current / not
          Invert the signal)

    (iii) Differential gain and common-mode gain ratio
          is called as _____ (Amplitude / Differential –
          mode rejection / Common mode rejection /
          Phase)

[Turn over