Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 21177

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2014.

Third Semester

Electronics and Communication Engineering

EC 1203 — ELECTRONIC CIRCUITS — I

(Regulation 2008)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is operating point of a transistor amplifier?

2. Define stability factor.

3. Why do we use a bypass capacitor shunting the resistor R_E in a common emitter amplifier?

4. Define CMRR. What is the ideal value?

5. Define gain – bandwidth product.

6. Relate rise time and bandwidth.

7. Define power conversion efficiency.

8. What is class C amplifier? State its applications.

9. Distinguish between voltage and current feedback connection.

10. What is the effect of negative feedback on gain and bandwidth?