

EC 8351 Electronic Circuits- I

Important 2mark questions

Unit I

1. What are the parameters that the operating point depends upon?
2. When does a transistor act as a switch?
3. How thermal runaway occurs in a transistor?

Unit II

1. What is the slope of AC load line?
2. What are the benefits of h-parameters?
3. Why are common emitter amplifiers more popular?

Unit III

1. Give the relation between pinch off voltage and drain resistance.
2. Write two reasons why a hybrid parameter model is used in small signal analysis.
3. Compare the characteristic of small signal amplifier with large signal amplifier.

Unit IV

1. Why are h-parameters not used at high frequencies?
2. What is meant by gain-bandwidth product?
3. Define rise time. Give the relationship between bandwidth and rise time.

Unit V

1. Compare the SMPS with linear power supply.
2. Why capacitor input filter is not suitable for variable loads?
3. Define ripple factor.