B.SC. PART-III (SEMESTER-VI)

ELECTRONICS AND SOLID STATE DEVICES - II

Time: Three Hours] Note: Attempt two questions each from Section C consisiting of 8 short answer type ques	Maximum Marks: 35 and B carrying 8 marks each, and the entire Section as carrying 1 mark each.
What do you understand by feedback in a amplifier with series voltage feedback. Star in amplifier. Draw the low frequency h-parameters expression for current gain, votage gain, and output characterisites of a CE (b) An amplifier with negative feedback without feedback input signal 60 same output with negative feedback. (a) Draw an expression for voltage gain, b) Derive an expression for the voltage gain, condition for the sustained oscillations. Discuss Barkhousen's criteria for sustain example its actions.	is carrying I mark each.

