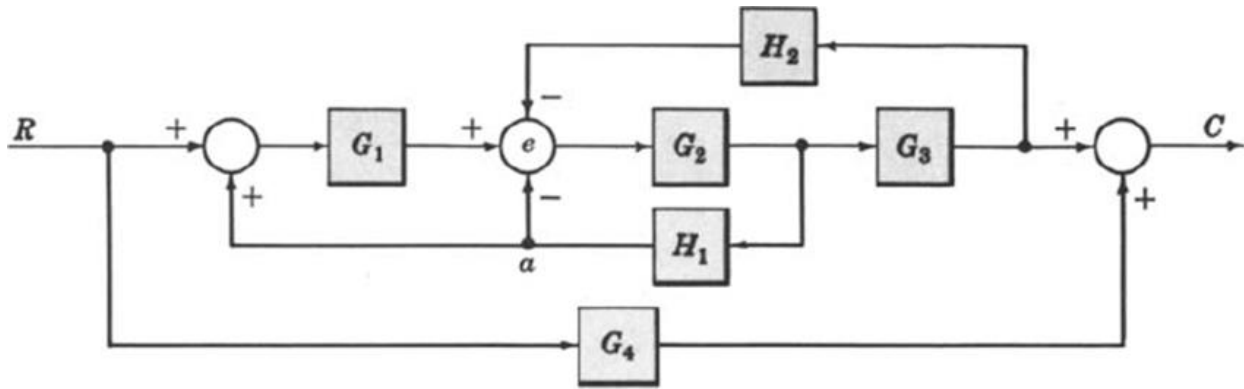


Indian Institute of Technology Bhilai
Department of Electrical Engineering
Quiz-2 Control Systems (EE-202)

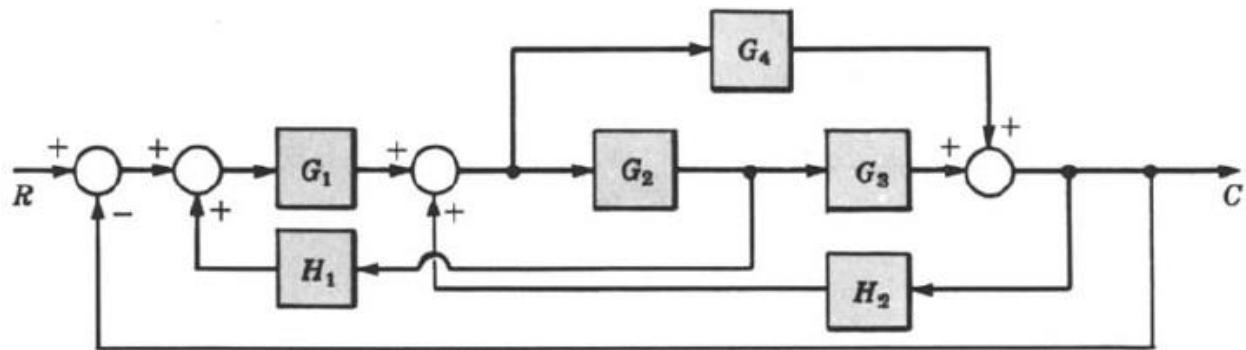
Time: 50 Minutes

Marks:10

Q.1 Draw the signal flow graph of the following block diagram and find out the transfer function using the Mesons Gain formula.



Q.2 Draw the signal flow graph of the following block diagram and find out the transfer function using the Mesons Gain formula.



Q.3 Obtain the transfer function for the system shown in figure. Calculate the value of β to make the damping ratio ξ of the system equal to 0.5.

