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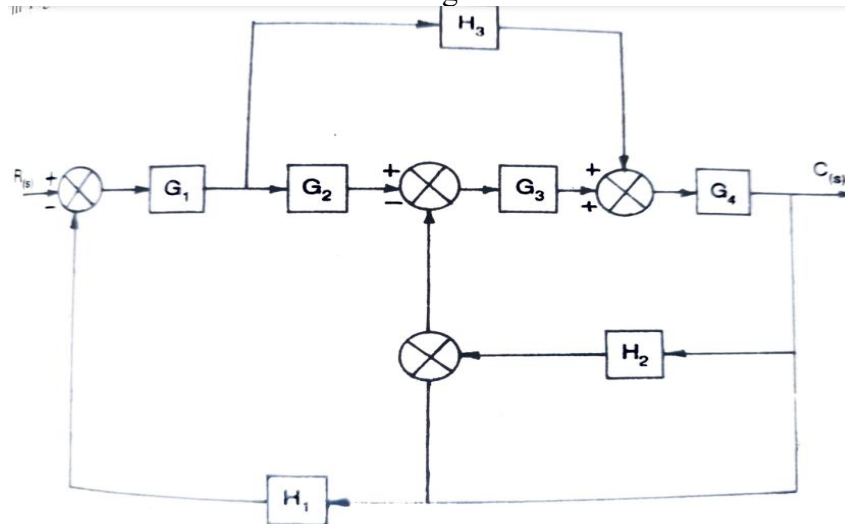
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Indian Institute of Technology Bhilai
Department of Electrical Engineering
Quiz-1 Control Systems (EE-202)

Time: 45 Minutes

Marks:10

Q.1 Find the Transfer Function of the Block diagram shown below:



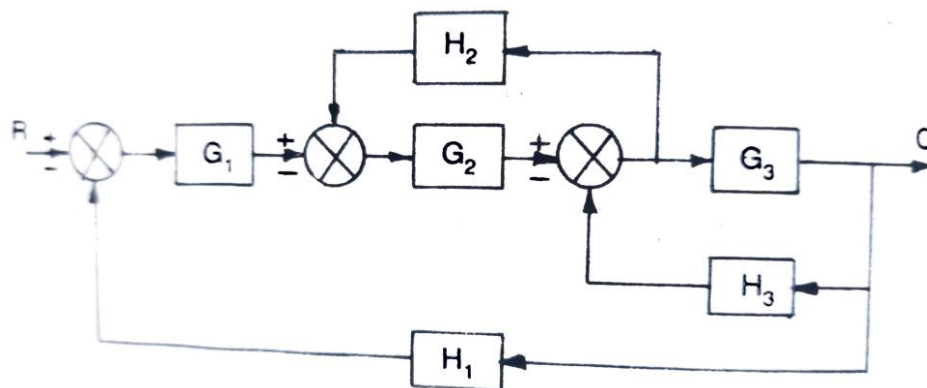
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Q.2 find the Transfer Function using block diagram reduction method. Moreover, find the input to block G_2 if $G_1=10$, $G_2=5$, $G_3=8$, $H_1=1$, $H_2=0.25$, $H_3=0.2$ and $R=10.1$.



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Q.3 Derive the transfer function of the following network shown in Figure and compare with the standard equation of control system.

