

# GATE 2023

## EE1205 Signals and Systems

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**Question: 42** In the following block diagram,  $R(s)$  and  $D(s)$  are two inputs. The output  $Y(s)$  is expressed as  $Y(s) = G_1(s)R(s) + G_2(s)D(s)$ .  
 $G_1(s)$  and  $G_2(s)$  are given by

**Solution:**