

# GATE -BM 16

EE23BTECH11057 - Shakunaveti Sai Sri Ram Varun

**Question:** A buoy of virtual mass 30 kg oscillates in a fluid medium as a single degree of freedom system. If the total damping in the system is set as 188.5 N-s/m, such that the oscillation just ceases to occur, then the natural period of the system is \_\_\_\_\_ s (round off to one decimal place)  
(GATE MN 2023 question 63)