1. Consider three registers **R1 ,R2 ,R3** that store numbers in $IEEE-754$ single precision floating point format. Assume that **R1** and **R2** contain the values (in hexadecimal notation) 0**x**42200000 and 0**x***C*1200000, respectively. If **R3** = $\frac{\mathbf{R1}}{\mathbf{R2}}$, what is the value stored in **R3**? (GATE-EC2021,31)

   (a) 0x40800000

   (b) 0xC0800000

   (c) 0x83400000

   (d) 0xC8500000