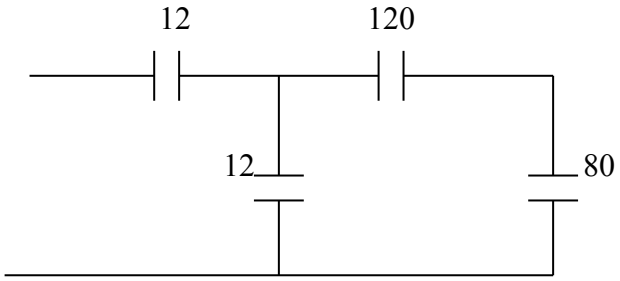
Chapter 6, Solution 19.

We combine 10-, 20-, and 30- μF capacitors in parallel to get 60 μF. The 60 -μF capacitor in series with another 60- μF capacitor gives 30 μF.
30 + 50 = 80 μF, 80 + 40 = 120 μF
The circuit is reduced to that shown below.



120-μF capacitor in series with 80 μF gives (80x120)/200 = 48
48 + 12 = 60
60-μF capacitor in series with 12 μF gives (60x12)/72 = **10 µF**