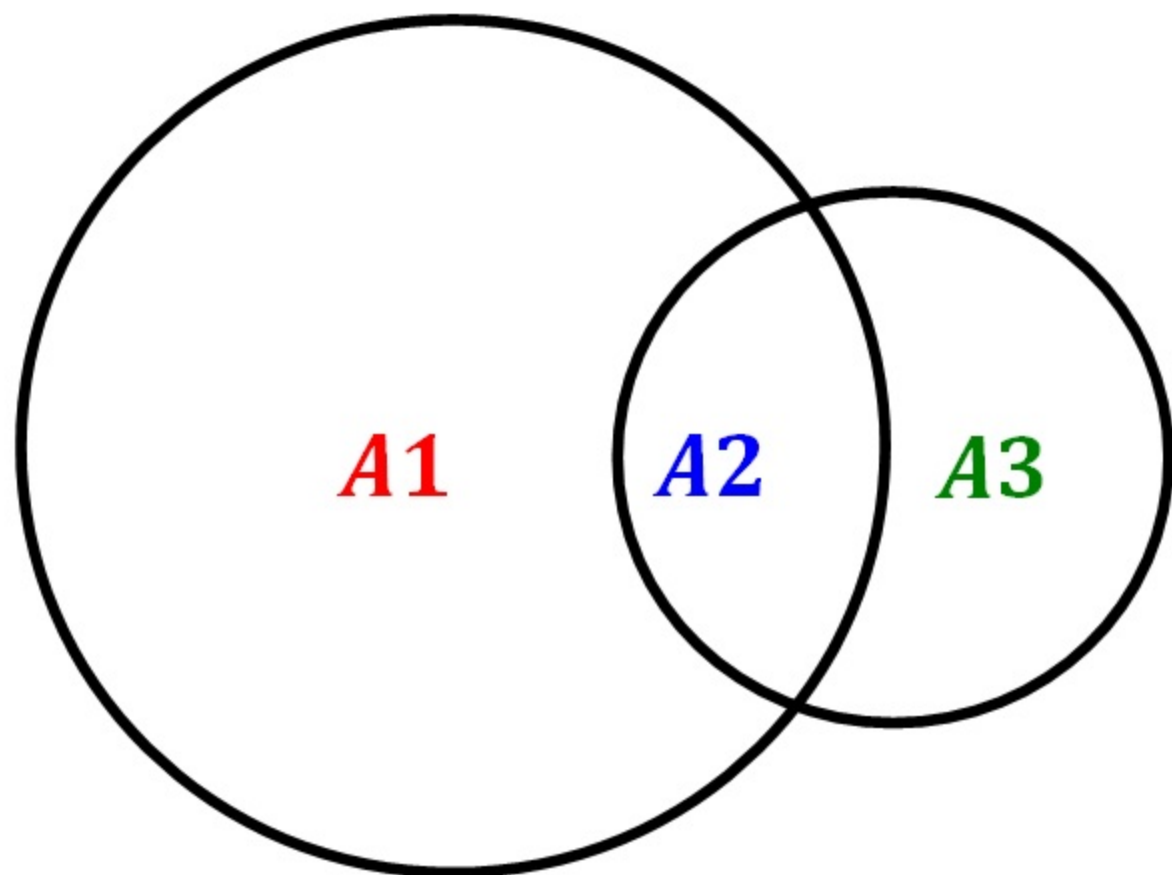


## Method



Area of large circle ( $A1 + A2$ ) is  $\pi \times 5^2 = 25\pi$

Area of small circle ( $A3 + A2$ ) is  $\pi \times 3^2 = 9\pi$

difference in area between the two non overlapping regions  $A1 - A3 = (A1 + A2) - (A3 + A2)$

$$25\pi - 9\pi = 16\pi \quad \text{Answer (D)}$$