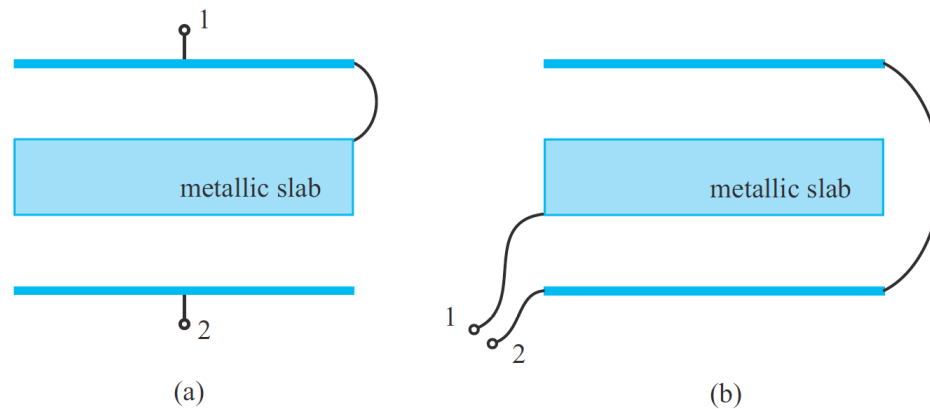


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*Capacitor with a slab in two configurations.* Consider the capacitor in Fig. Q2.6 with the following two modifications. In case (a), the slab is galvanically connected to the upper plate [Fig. Q2.7(a)]. In case (b), the plates are galvanically connected together [Fig. Q2.7(b)]. The capacitance between the terminals 1 and 2 is higher for

- (A) case (a)
- (B) case (b)
- (C) the two capacitances are equal



**Figure Q2.7** The capacitor from Fig. Q2.6 with the slab galvanically connected to the upper plate (a) and the plates galvanically connected together (b); for Question 2.17.

*Solution:* (B)

*Answer:* (B)