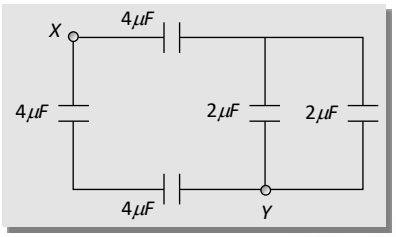
LAKSHYA (JEE)

Electrostatic Potential and Capacitance

DPP-11

Find equivalent capacitance between X and Y in the following circuits.

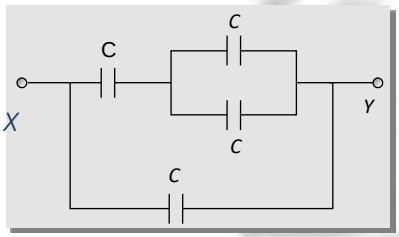
1.



(A) 3μF (B) 2μF

(C) 4μF (D) 8μF

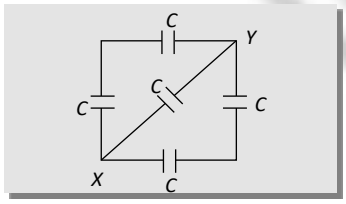
2.



(A) $\frac{5}{8}$C (B) $\frac{3}{5}$C

(C) $\frac{5}{3}$C (D) C

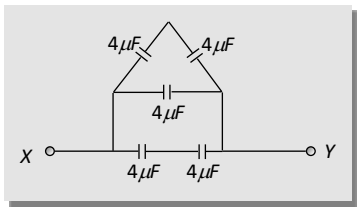
3.



(A) 2C (B) C/5

(C) 5C (D) C/2

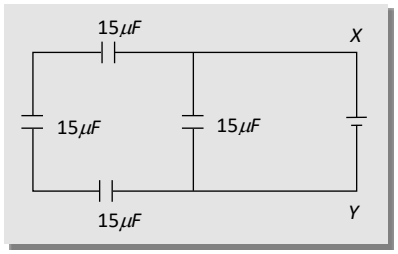
4.



(A) 8μF (B) 6μF

(C) 268μF (D) 10/38μF

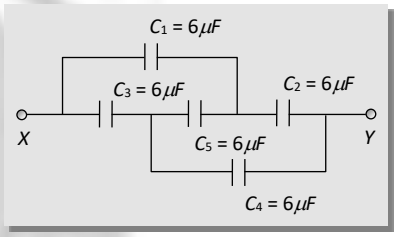
5.



(A) 15μF (B) 20μF

(C) 25μF (D) 30μF

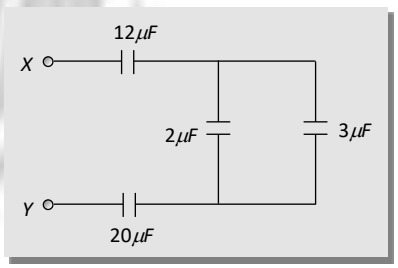
6.



(A) 24μF (B) 18μF

(C) 12μF (D) 6μF

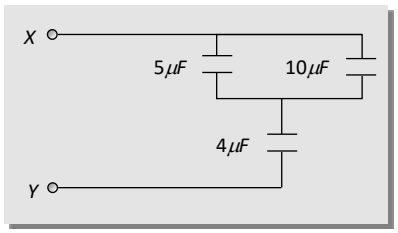
7.



(A) 47μF (B) 3μF

(C) 60μF (D) 10μF

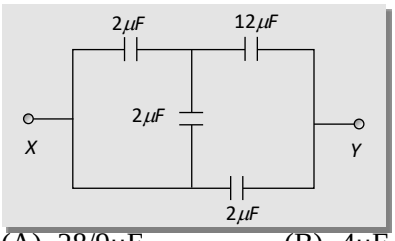
8.



(A) 2.2μF (B) 3.2μF

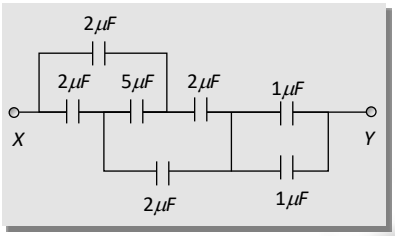
(C) 1.2μF (D) 4.7μF

9.



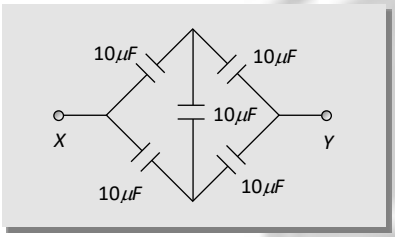
(A) 28/9μF (B) 4μF
(C) 5μF (D) 18μF

10.



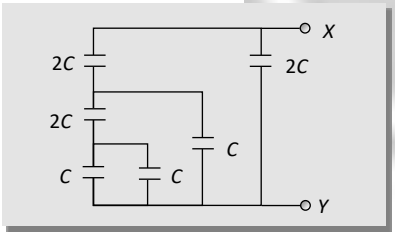
(A) 1/2 μF (B) 1μF
(C) 2 μF (D) 1.33μF

11.



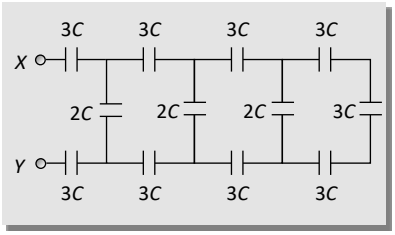
(A) 40μF (B) 20μF
(C) 30μF (D) 10μF

12.



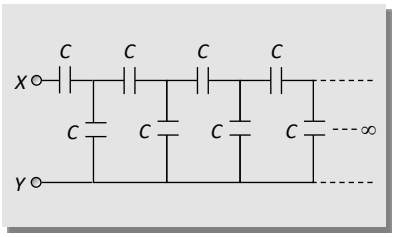
(A) 3C (B) 2C
(C) C (D) C/3

13.



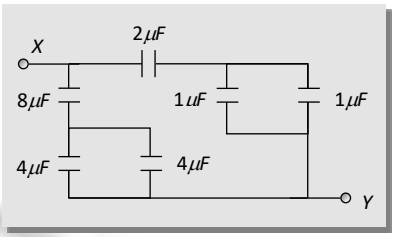
(A) C (B) 9C
(C) 0.86C (D) 5.0C

14.



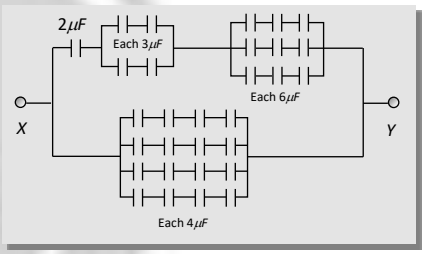
(A) Zero (B) Infinite
(C) 0.60C (D) 1.62C

15.



(A) 10μF (B) 20μF
(C) 5μF (D) 2.5μF

16.



(A) 3μF (B) 4μF
(C) 5μF (D) 6μF

ANSWERS

1. (C)
2. (C)
3. (A)
4. (A)
5. (B)
6. (D)
7. (B)
8. (B)
9. (C)
10. (B)
11. (D)
12. (A)
13. (A)
14. (C)
15. (C)
16. (C)

Note - If you have any query/issue

Mail us at support@physicswallah.org