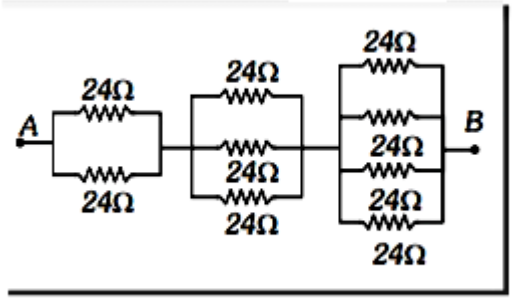
Assignment – Electricity

Physics

Find equivalent or effectine Resistance.



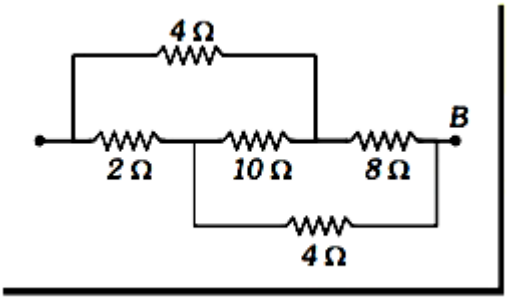
1.

(a) 21.6Ω

(b) $\frac{24}{3}\Omega$

(c) 26Ω

(d) 36Ω



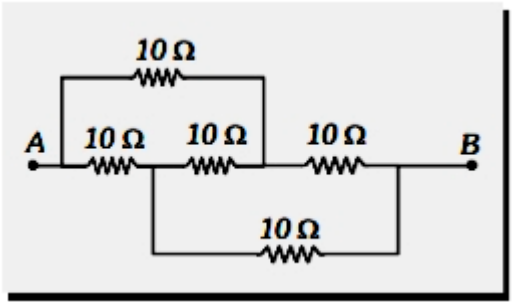
2.

(a) 2Ω

(b) 4 Ω

(c) 8 Ω

(d) 16 Ω

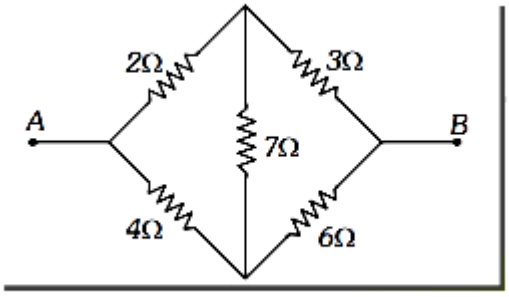
3. 

(a) 10Ω

(b) 40Ω

(c) 20Ω

(d) $\frac{5}{2}\Omega$

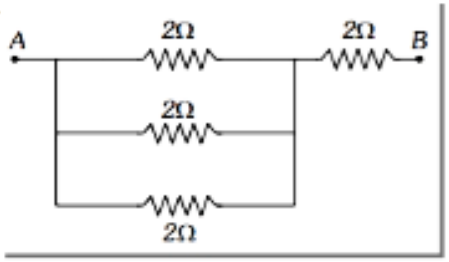
4. 

(a) $\frac{10}{3}\Omega$

(b) $\frac{20}{3}\Omega$

(c) 15Ω

(d) 6Ω

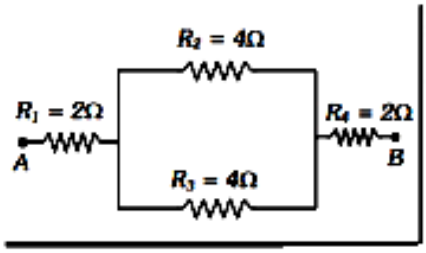
5. 

(a) 2 ohm

(b) 4 ohm

(c) $1\frac{2}{3} ohm$

(d) $2\frac{2}{3} ohm$



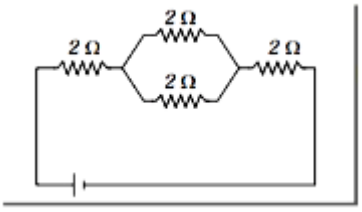
6.

(a) 8Ω

(b) 6Ω

(c) 4Ω

(d) 2Ω



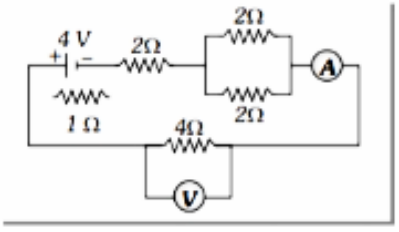
7.

(a) 8Ω

(b) 6Ω

(c) 5Ω

(d) 4Ω



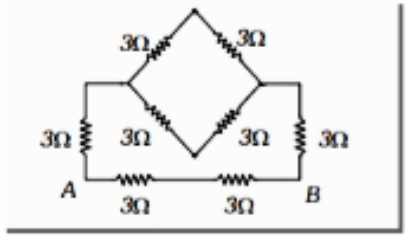
8.

(a) 6 Ω

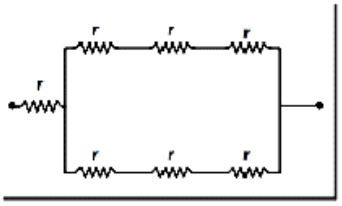
(b) 7 Ω

(c) 8 Ω

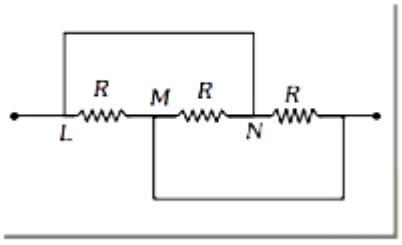
(d) 9 Ω

9. 

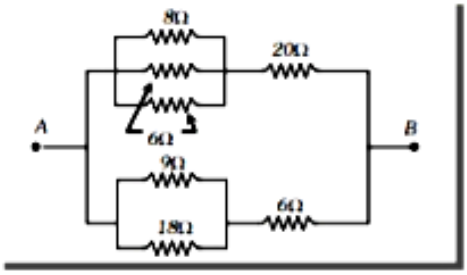
(a) 2 ohm
(b) 18 ohm
(c) 6ohm
(d) 3.6 ohm

10. 

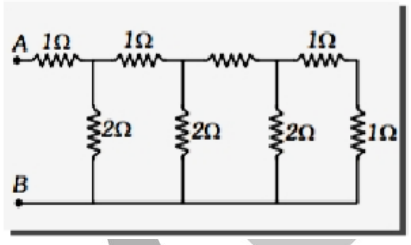
(a) 2r
(b) 4r
(c) 10r
(d) 5r/2

11. 

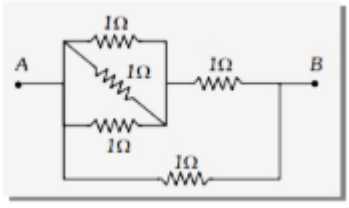
(a) R
(b) 2R
(c) $\frac{R}{2}$
(d) $\frac{R}{3}$

12. 

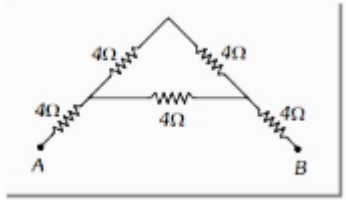
(a) 6 ohm
(b) 8 ohm
(c) 16 ohm
(d) 24 ohm

13. 

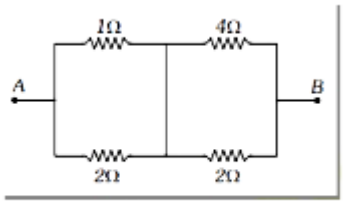
(a) 4Ω
(b) 8 Ω
(c) 6 Ω
(d) 2 Ω

14. 

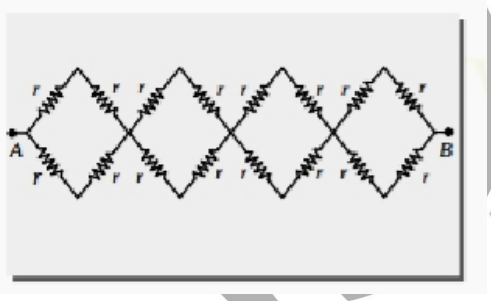
(a) 0.25Ω
(b) $\frac{4}{7}\Omega$
(c) $\frac{7}{4}\Omega$
(d) 1Ω

15. 

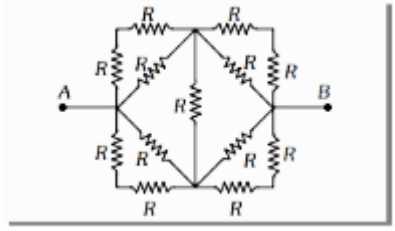
(a) 10.6Ω
(b) 20Ω
(c) 16Ω
(d) 8Ω



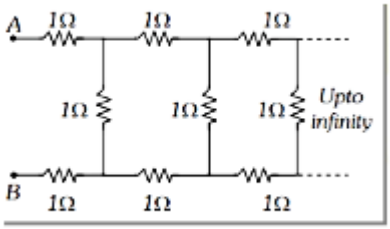
16.
(a) 1Ω
(b) 9 Ω
(c) 2 Ω
(d) 6 Ω



17.
(a) R
(b) 2r
(c) $\frac{4}{3}r$
(d) 4r



18.
(a) 2RΩ
(b) $\frac{4R}{3}\Omega$
(c) $\frac{2R}{3}\Omega$
(d) RΩ



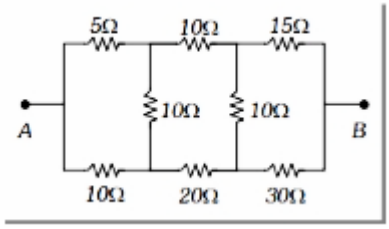
19.

(a) $(\sqrt{3}-1)$

(b) $(1-\sqrt{3})$

(c) $(1+\sqrt{3})$

(d) $(2+\sqrt{3})$



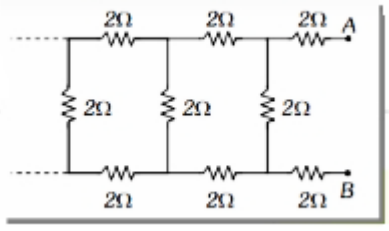
20.

(a) 20Ω

(b) 30 Ω

(c) 90 Ω

(d) 110 Ω



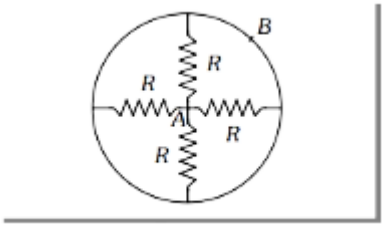
21.

(a) Less than 4Ω

(b) 4Ω

(c) More than 4Ω but less than 12Ω

(d) 12Ω



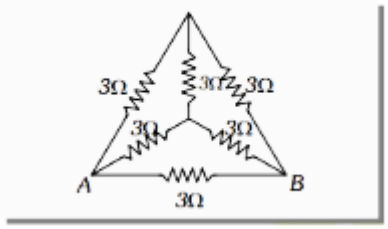
22.

(a) $\frac{R}{4}$

(b) 4R

(c) $\frac{3R}{4}$

(d) $\frac{4R}{3}$

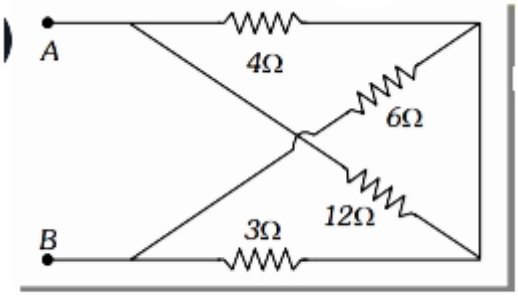
23. 

(a) 4 ohms

(b) 2 ohms

(c) 1 ohm

(d) $\frac{6}{4} ohm$

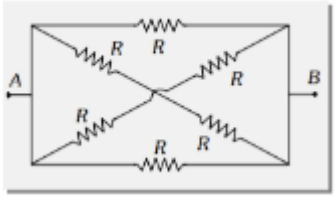
24. 

(a) 6Ω

(b) 16Ω

(c) 7Ω

(d) 5Ω

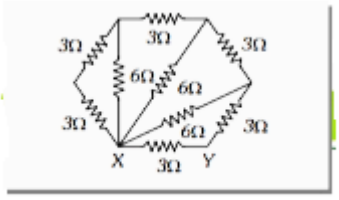
25. 

(a) R

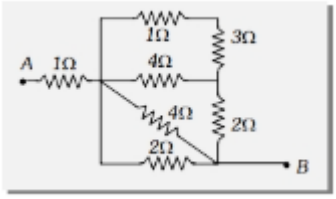
(b) $\frac{R}{3}$

(c) 3R

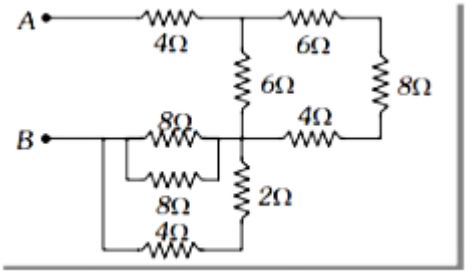
(d) 4R

26. 

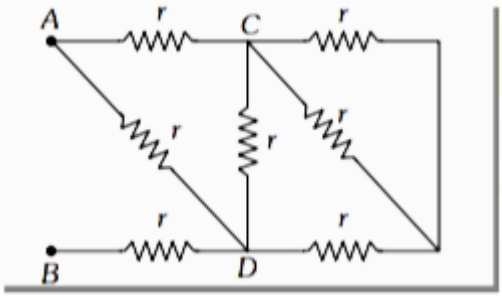
(a) 4Ω
(b) 2Ω
(c) 8Ω
(d) 16Ω

27. 

(a) 1 Ω
(b) 2 Ω
(c) 3 Ω
(d) 4 Ω

28. 

(a) 4 Ω
(b) 6 Ω
(c) 10.9 Ω
(d) 12.6 Ω

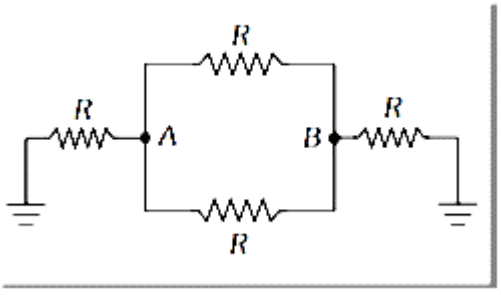
29. 

(a) $\frac{13}{9}r$

(b) $\frac{11}{5}r$

(c) $\frac{5}{12}r$

(d) $\frac{21}{13}r$

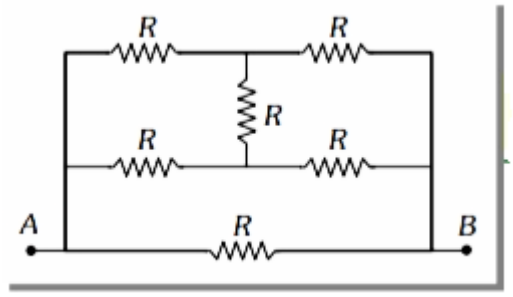
30. 

(a) $\frac{R}{2}$

(b) $\frac{2R}{5}$

(c) $\frac{3R}{5}$

(d) $\frac{R}{3}$

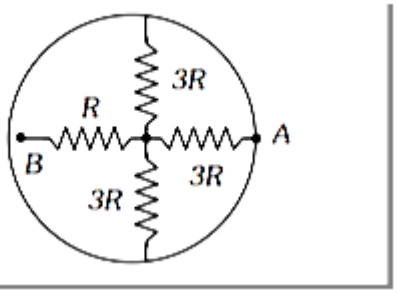
31. 

(a) $\frac{R}{2}$

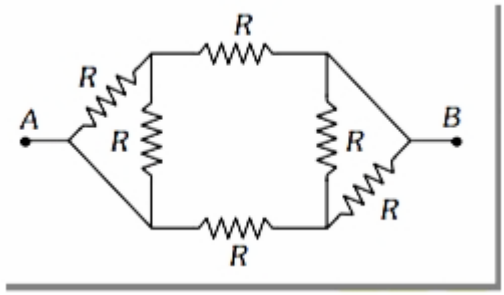
(b) R

(c) 2R

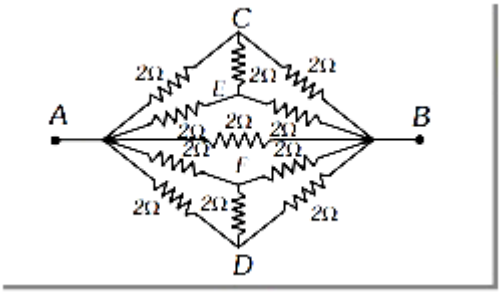
(d) 4R

32. 

(a) 2R
(b) 4R
(c) 7R
(d) 10R

33. 

(a) $\frac{3}{4}R$
(b) $\frac{5}{3}R$
(c) $\frac{7}{5}R$
(d) R

34. 

(a) 2Ω
(b) $\frac{2}{3}\Omega$

(c) $\frac{3}{4}\Omega$

(d) $\frac{4}{3}\Omega$

35.
36.
37.
38.
39.
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56. a


Pinnacle