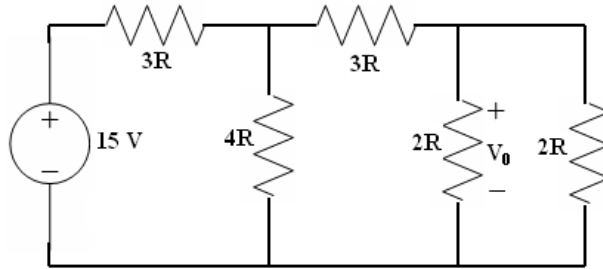<div dir="rtl">

نموذج أسئلة لامتحان الكفاءة الجامعي المستوى الدقيق
تخصص الهندسة الإلكترونية

ملاحظة: إن امتحان الكفاءة الجامعية للمستوى الدقيق يقيس مهارات وكفايات خاصة بتخصص الهندسة الإلكترونية.

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1. By voltage division in the circuit shown, V_0 is found to be:

    A. 6 V
    B. 2.4 V
    C. 1.5 V
    D. 4.5 V

2. According to coulomb's law, what do the force between two point charges proportional to?
    A. Addition of charges
    B. Difference of charges
    C. Product of charges
    D. Integration of charges

3. For high voltage transmission lines, why are conductors suspended from towers?
    A. Increase the clearance from ground
    B. Reduce clearance from ground
    C. Take care of increase in length
    D. Reduce the environmental effects

4. Root locus specifies the movement of closed loop poles especially when the gain of system _____
    A. Remains constant
    B. Exhibit variations
    C. Gives zero feedback
    D. Gives infinite poles

5. The continuous-time system described as: $y(t) = 3\cos(2t) + \sqrt{x^2(t)}$ is considered:

    A. Linear + causal
    B. Stable + Non-invertible
    C. Unstable + Nonlinear
    D. Linear + Time-Varying