

Unit I: Assessment: Assignments

Assignment – Lecture 6

1. Two batteries A and B are connected in parallel and a load of 10Ω is connected across them. Battery A has an emf of 9V and internal resistance of 0.5Ω and B has an emf of 12V and internal resistance of 1Ω . Determine i) the magnitude and the direction of current flowing through load resistance, ii) current supplied by each battery and iii) potential difference across the load resistance.

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