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School of University Polytechnic**Diploma in Electrical Engineering
Mid Term Examination - May 2024****Duration : 90 Minutes
Max Marks : 50****Sem II - N1DK201B - Fundamentals of Electrical and Electronics Engg.**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Explain Series-Parallel connection of resistance . K2 (2)
- 2) Define power. K1 (3)
- 3) Explain energy stored in inductor. K2 (4)
- 4) Explain field strength. K2 (6)
- 5) Write Faraday's 1st law of electromegnetic induction. K3 (6)
- 6) Write electric and magnetic circuits. K3 (9)
- 7) compare between current and voltage. K4 (8)

- 8) Write the pole,pole shoes and field winding of d.c. motor . K4 (12)

OR

Write construction and working of Ammeter and its applications. K4 (12)