

School of University Polytechnic**Diploma in Electrical Engineering**
Semester End Examination - Jun 2024**Duration : 180 Minutes**
Max Marks : 100**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*

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| 1) | Define potential difference | K1(2) |
| 2) | Discuss the commutator in dc motor. | K2(4) |
| 3) | Explain flux density. | K2(6) |
| 4) | Illustrate mutual inductance. | K3(9) |
| 5) | Write microprocessor. | K3(9) |
| 6) | Consider PNP transistor and its applications. | K5(10) |
| 7) | Write the types of d.c. motor with diagram and their applications | K4(12) |
| 8) | Consider principle of operation 3 phase transformer. | K5(15) |
| 9) | Consider types of configurations for transistor. | K5(15) |
| 10) | Explore EMF equation of DC motor. | K6(18) |