

School of University Polytechnic**Diploma in Electrical Engineering
Semester End Examination - Aug 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 E.M.F. | K1(2) |
| 2) | Discuss eddy current transformer. | K2(4) |
| 3) | Explain the Shunt generator and its uses. | K2(6) |
| 4) | Write the field winding and armature winding in d.c. machines and uses. | K3(9) |
| 5) | Write the primary winding and secondary winding in transformer. | K3(9) |
| 6) | Consider NPN transistor and its applications. | K5(10) |
| 7) | Compare between 1 phase transformer and 3 phase transformer. | K4(12) |
| 8) | Consider the constructional features of 3 phase transformer. | K5(15) |
| 9) | Consider three phase Induction motor. | K5(15) |
| 10) | Explore Principle of operation of DC motors. | K6(18) |