

SSIT POLYTECHNIC, KALAKAD, MAYURBHANJ
4TH SEMESTER 1ST INTERNAL EXAMINATION 2024-2025

SUB- EC-1 & EM
BRANCH - EE & EE(I&C)

TIME - 1 HOUR
(2*5 = 10)

FULL MARK -20

1. Answer all question -

- (a) What is DC Generator & Types of DC Generator.
- (b) What is Commutator & Its use .
- (c) What is Back emf & It's formula .
- (d) What is the no of parallel path in Lap & Wave Winding.
- (e) What is the unit of Current, Speed, Power & Flux.

2. Answer all .

(5*2 = 10)

(a) In a Shunt generator takes 195amp of terminal voltage 250volt. if the shunt field resistance & Armature resistance is 50ohm & 0.05ohm. Find the Full load Generated voltage.

(b) Write down the EMF equation Of Generator ?