FINAL ASSIGNMENT
NAME: ANIKA ISLAM
10: 21101298
SECTION: 12

(1)

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Let the BIT be in active state.

UBE = 0.47

Ico 670 + Ico (50)(0.0182) 27co 0.9118 mA

(ii) for static discipline,

Vol < VIL < VIH < VOH

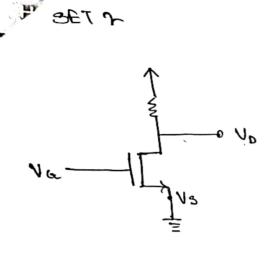
きしろくなんろろくろ

. The circuit follows static discipline

for noise majoins,

NMO 2 VIL - VOL 2 2 - 1.5 = 0.5 V

NM1 2 VOH - UIH 2 4-318 2 018 V



The mostet is in saturation region.

[Jos 2 100 HA; K2 Kin 12 2 (387) (2016) 2 4300, ID = 1 K (VGS - UT)

1.00 you - 00 4600 00 11

1002 1 (400) (Ves-04)

(Vas - 0,5)2 2 0,0966

Vag- Vas + 0, 2000 = 0

V6320.716V × [V63 7, V7]

: . 163 ° O. V

Vos 7, (Vas - 0.A)

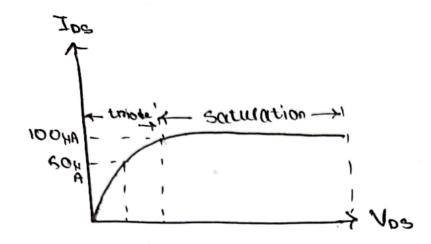
Vos 7, (0,716-0,60)

NDS 7 0.216

403 2 0:1716N

A TO SHI

or a condition of



For ID. BOHA, the moster is in triode region.

(1) 1-1 eraph for mostet

