Department of Electrical Engineering

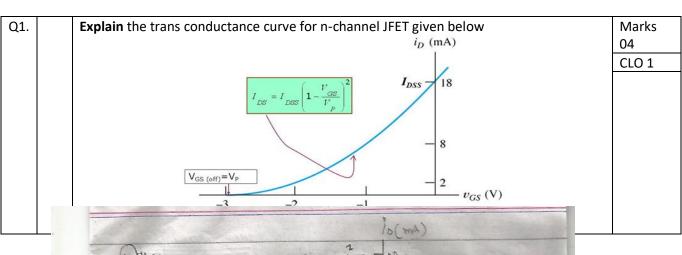
Sessional Assignment Date: 04/05/2020

Course Details

Course Title:Electronic Circuit DesignModule:04Instructor:Sir Mujtaba IhsanTotal Marks:20

Student Details

Name: M.Salman shahid Student ID: 15006



Vasces 1 - Vas 1 - Vas (1)

Vasces 1 - Vas (1)

Coraph of N-channel JFET

This graph shows the transfer characteristic of N-channel JEET

Curve is Plotted between Voltage Grate & Source Vas to the drain current Ip

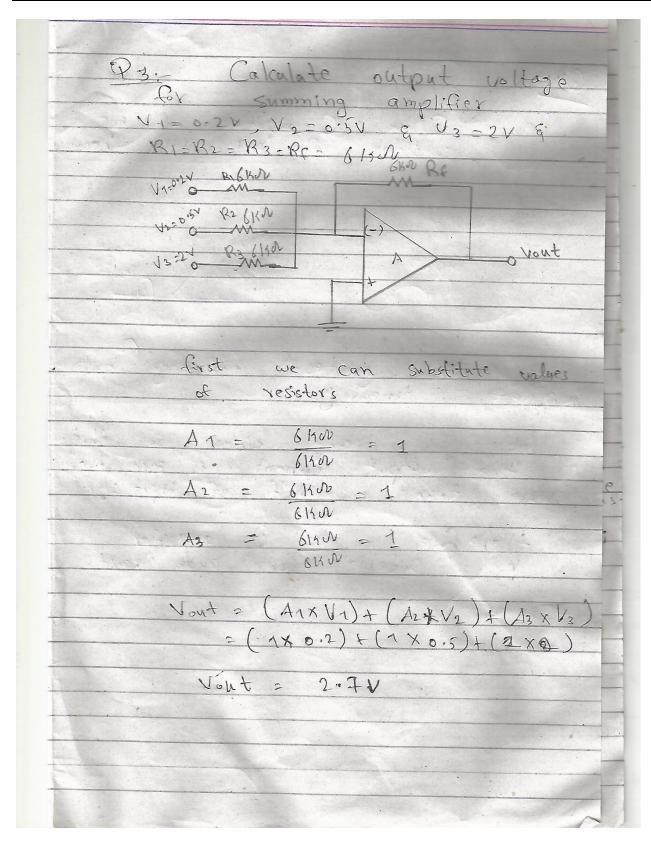
This graph shows that Drain to source current decreases with the increase in a megative gate-source bias.

Orain current Ip = I pss when Vas I

Q2.	State the characteristics of a practical operational amplifier.	Marks
		04
		CLO 1

Q2:-	Characterist	ic of of-amp	Practical
is.	The open loop maximum &	voltage (gain Ao
(i) The	e input imped is finite.	ance 21. i	s maximum
AT (II)	e sutput imped	ance to	is minimum
(W) The	CMRR is	maximum	and finite
(V) Bano	Swidth is maxim	um and	Gnite
(v) (c	reneration of	noise.	

Q3.	Calculate output voltage for summing amplifier if $V_1 = 0.2V$, $V_2 = 0.5V$ and $V_3 = 2V$ and	d Marks
	$R_1=R_2=R_3=R_f=6k\Omega$	05
		CLO 2



Q4.	(a)	You are working on an audio circuit in the lab. Which class of power amplifier will you	Marks
		not consider for your work?	04
		Justify your answer with reason.	CLO 2

(A) Consider for our world because It has greatest efficiency but powest timearity. It is heavily biased so that the output current is zero for more than one half of shout signal there fore class (amplifier is not suitable for ands circuit. VERNELL AND A CONTRACT OF A CO

(b)	Outline the differences between an amplifier and a rectifier.	Marks
		03
		CLO 2

