

CourseCode-21EE32

### Model Question Paper (CBCS Scheme)

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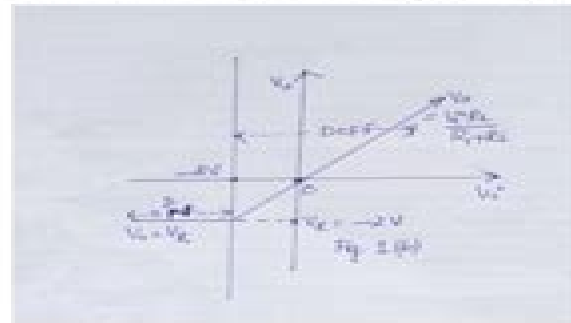
### Third Semester BE Degree Examination Course Title– Analog Electronic Circuits and Op amps

TIME: 03 Hours

Max.Marks:100

Note: Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Q.No.	Module1		Marks
Q1	a	Explain the static resistance and dynamic resistance of a diode.	06
	b	Design a shunt clipping circuit for the transfer characteristic as shown in Fig.1 (b). Assume that a resistance of $1K\Omega$ is connected in series with input sinusoidal signal and output is taken across $RL = 10K\Omega$ . Draw the input and output voltage waveforms.	07
	c	Define stability factor and derive an expression for stability factor S in a voltage divider bias circuit.	08
OR			
Q2	a	For the transistor amplifier in general form obtain expressions for current gain, input resistance, voltage gain and output resistance using h-parameter model	10
	b	Draw and explain the negative clamper circuit. Sketch the input and voltage waveforms.	05
	c	For the emitter follower configuration, derive expressions for current gain and input resistance using simplified hybrid model.	05
Module 2			
Q3	a	For the Darlington connection , explain the analysis of second and first stage in terms of current gain and input resistance . Use h-parameter model.	12
	b	Explain the concept of feedback with suitable block diagrams.	08
OR			



# Sample Question Paper Third Semester G Scheme

**Lei Huang**



**Sample Question Paper Third Semester G Scheme:**

## The Enigmatic Realm of **Sample Question Paper Third Semester G Scheme**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Sample Question Paper Third Semester G Scheme** a literary masterpiece penned by way of a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those who partake in its reading experience.

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