

CourseCode-21EE32

### Model Question Paper (CBCS Scheme)

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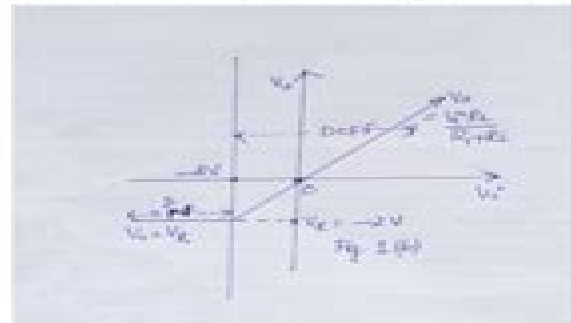
### Third Semester BE Degree Examination Course Title– Analog Electronic Circuits and Op amps

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

**Richard Bailey**



### Sample Question Paper Third Semester G Scheme:

*Aerodynamics 1* Mr. Rohit Manglik, 2023-09-23 Introduces the principles of aerodynamics including airflow lift drag and basic aircraft structures relevant to flight performance      *MANAGEMENT PRINCIPLES AND APPLICATIONS* Dr. Priya Srinivasa,      *Learning and Teaching Nursing* B Sankaranarayanan, B Sindhu, 2012-08-31 A must read for nursing students this book deals with essentials of nursing education communication and educational technology Considering the transnational acceptance of our profession each chapter is written with an international perspective It is earnestly hoped that the simple yet authentic explanations followed throughout this book with the help of suitable examples will make the subject of nursing education more palatable and interesting to the nursing community Salient Features First of its Kind Meeting international standards Simple yet authentic explanations Enriched with suitable examples Prepared as your lifelong companion Well accepted by the nursing community Book jacket      *Comprehensive Engineering Chemistry* Devender Singh, Satish Kumar Vats, 2013-12-30 This book is designed to meet the requirement of the students of B Tech and B E students The book discusses in detail the following topics Thermodynamics Phase Rule Water and its Treatment Corrosion and its Prevention Lubrication and Lubricants Polymer and Polymerization and Analytical Methods The book is suitably illustrated with diagrams and a number of solved numerical examples from different universities are included to make the text more exhaustive and understandable Practical part is also appended at the end of the book      **Operating System (A Practical App)** Rajiv Chopra, 2009 For the Students of B E B Tech M E M Tech Operating Systems A Practical Approach which covers the syllabi of B Tech B E CSE IT M Tech M E CSE IT BCA MCA of many universities of India like Delhi University GGSIPU Delhi UPTU Lucknow WBUT RGPV MDU etc      *Resources in education* , 1986-10      *The Balance Sheet* , 1958      **Scientific and Technical Aerospace Reports** , 1995 Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database      *Advancing Research on Teachers' Professional Vision: Implementing novel Technologies, Methods and Theories* Christian Kosel, Tina Seidel , Christian Hartmann, Ann-Sophie Grub, 2024-07-25 A classroom full of students can be overwhelming for teachers It is critical that teachers are able to filter and meaningfully interpret the relevant information in this complex scenario Much of this filtering and interpretation occurs through selective visual perception Over the last decade a rapidly growing number of studies in empirical educational research used eye tracking to investigate teachers selective visual perceptual processes in the classroom Theoretically visual attention and perception are often conceptualized as knowledge based noticing coupled with knowledge based reasoning about what is visually perceived Recent eye tracking studies have shown that experienced teachers in particular show improved selective attention of classroom events through faster detection of relevant information and improved monitoring of learning relevant situations Researchers agree that a critical driver of selective attention processes is the professional knowledge declarative procedural

and metacognitive of experienced teachers which controls selective perceptual processes in a top down process The findings are significant and provide important insights for research on teacher professionalization *Research in Education* ,1973-12

Resources in Education ,1990 Adjudicating New Governance Emilia Korkea-aho,2015-02-11 This book engages with and advances the current debate on new governance by providing a much needed analysis of its relationship with the courts New modes of governance have produced a plethora of instruments and actors at various levels that present a challenge to more traditional forms of command and control regulation In this respect it is commonly maintained that new governance generally and political experimentation more broadly weakens the power of the courts producing a legitimacy problem for new forms of governance and perhaps more fundamentally for law itself Focusing on the European Union this book offers a new account of the role of the courts in new governance Connecting new governance with the conception of deliberative democracy this book demonstrates how the role of courts has been transformed by the legal and political experimentation currently taking place in the European Union Drawing on a series of case studies it is argued that although deliberations in governance frameworks provide little by way of hard binding law these collaborative frameworks nevertheless condition judicial decision making With far reaching implications for how we understand the justiciability of soft law participation rights the legitimacy of governance measures and the role of courts beyond the nation state this book argues that far from undermining the power of the courts governance regimes assist their functioning Its analysis will therefore be of considerable interest for lawyers political scientists and anyone interested in the transformation of the judiciary in the era of new governance **Association Medical Journal** ,1914 **British Medical Journal** ,1914 *Musical America* ,1916

*Journal of Geophysical Research* ,1963 **Electrical Engineer** ,1897 **The Electrical Engineer** ,1897 **Messenger and Visitor** ,1907 *Web and Internet Economics* Jugal Garg,Max Klimm,Yuqing Kong,2023-12-30 This volume LNCS 14413 constitutes the refereed proceedings of the 19th International Conference WINE 2023 in December 2023 held in Shanghai China The 37 full papers presented together with 29 one page abstracts were carefully reviewed and selected from 221 submissions The WINE conference series aims to exchange research ideas in a diverse area of application at the intercept of theoretical computer science artificial intelligence operations research and economics

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