

[5925]-232

S.E. (Electrical Engineering)

NETWORK ANALYSIS

(2019 Pattern) (Semester - IV) (203147)

Time : 2½ Hours]

[Max. Marks : 70]

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Use of calculator is allowed.
- 5) Assume suitable data if necessary.

Q1) a) What is time constant? State time constant in case of Series R-L circuit and series R-C circuit. [6]

b) In the network shown in Fig. 1, switch is closed at $t = 0$ with capacitor is uncharged. Find the value of $i(0^+)$, $\frac{di(0^+)}{dt}$, $\frac{d^2i(0^+)}{dt^2}$. [6]

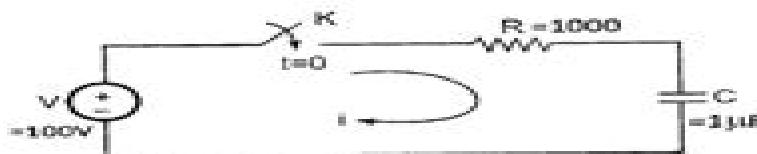


Fig. 1

c) In the circuits in Fig. 2, The switch is closed at $t = 0$. [6]

i) Obtain expression for current in the circuit for $t > 0$. Using the classical method.

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RJ Alexander

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OPERATIONS & SUPPLY CHAIN MANAGEMENT Dr. Preeti Mahesh Kulkarni,Dr. Prajakta Nilesh Warale,Dr. Atul N Thombre,2025-04-23 MBA SECOND SEMESTER As Per Revised MBA Curriculum 2024 Aligned with NEP Savitribai Phule Pune University Pune *Proceeding of International Conference on Computational Science and Applications* Subhash Bhalla,Peter Kwan,Mangesh Bedekar,Rashmi Phalnikar,Sumedha Sirsikar,2020-01-04 The book consists of high quality papers presented at the International Conference on Computational Science and Applications ICCSA 2019 held at Maharashtra Institute of Technology World Peace University Pune India from 7 to 9 August 2019 It covers the latest innovations and developments in information and communication technology discussing topics such as soft computing and intelligent systems web of sensor networks drone operating systems web of sensor networks wearable smart sensors automated guided vehicles and many more

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pattern of SNAP Each mock test contains questions on decision making English language Analytical logical Reasoning Quantitative Ability Data Interpretation Data Sufficiency The detailed solution to each test is provided at the end of the papers *Environment Concerns and its Remediation* Prof. Deepankar Kumar Ashish ,2021-12-21 The F EIR Conference 2021 Environment Concerns and its Remediation was held on 18 22 October in Chandigarh India The event was aimed to bring research professionals from multi disciplinary fields to cross established sub disciplinary divides encouraging the exchange of ideas between scientists engineering professionals architects environmental scientists academicians economists and students The conference focussed on the most interesting and relevant critical thinking on environmental issues with a wide array of quality technical presentations Over 400 abstracts and 300 full papers were received by the Organizing Committees and about 140 paper were finally accepted for presentation in 27 sessions of F EIR Conference 2021 These papers were presented by world renowned experts from 30 countries during the event The abstracts of papers presented are published in Volume of Abstracts and the online proceedings contains all the accepted papers including 10 keynote lectures Some selected papers will appear in the Science of the Total Environment an Elsevier journal having Impact Factor 7.963 Environmental Science and Pollution Research a European Chemical Society s journal published by Springer journal having Impact Factor 4.223 Sustainability a MDPI journal having impact factor 3.251 Macromolecular Symposia a Wiley journal Materials Today Proceedings an Elsevier journal Lecture Notes in Civil Engineering a Springer bookseries and book volume in Springer **A Textbook of Pharmacology-III (BP602T)** Mr. Reehan Khan Mohammad Khan, Mr. Mohammed Saad, Dr. Ziyaurrahman AR, Mr. Rakesh Madhukar Bachhav, Dr. Vinod A. Bairagi, 2024-09-03 It is with great pleasure that I introduce A Textbook of Pharmacology III The book was created rigorously in accordance with the Pharmacy Council of India s authorized syllabus for students pursuing a bachelor s degree in pharmacy An attempt has been made to examine the topic in a straightforward manner that students can readily comprehend The book contains a number of flowcharts and illustrations to help students understand concepts more easily The author really hopes that both academicians and students will find this work to be helpful Medicine and pharmacology form the cornerstone of illness management This book includes all clinical and pharmacological treatment plans medication combinations and pathophysiological information with therapy aims for a variety of disorders This book which focuses mostly on the pharmacology of star drugs in their respective categories presents drug interactions pharmacokinetics indications and contraindications in an easy to understand format I hope teachers and students will respond well to this book We accept suggestions from all areas of the profession Any inconsistencies or mistakes that may have persisted are our fault and we would appreciate it if readers pointed them out **Careers Digest** ,1977 **BUSINESS RESEARCH METHODS** Dr. Aditi Anant Kale, Dr. Rakesh Kumar Bhati, Dr. Anjum Sayyad, 2023-11-01 Buy Business Research Method e Book for Mba 1st Semester in English language specially designed for SPPU Savitribai Phule Pune University Maharashtra By Thakur publication **State of India's Health** Alok Mukhopadhyay, 1992 Contributed

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