Roll No.		
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Total No. of Pages: 02

Total No. of Questions: 13

# B.Pharmacy (Sem.-7) INSTRUMENTAL METHOD OF ANALYSIS Subject Code: BP-701T M.Code: 78387 Date of Examination: 12-12-2022

Time : 3 Hrs.

Max. Marks: 75

#### INSTRUCTIONS TO CANDIDATES :

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains THREE questions carrying TEN marks each and student has to attempt any TWO questions.
- SECTION-C contains NINE questions carrying FIVE marks each and student has to attempt any SEVEN questions.

#### SECTION-A

#### Write briefly :

- a) What is Beer and Lambert's law?
- b) 'Phenol has higher absorption maxima in basic medium than in acidic medium'. Why?
- c) How hybridization affects vibrational frequency of a C-H bond?
- d) Give applications of gel chromatography.
- e) What makes phenanthrene a fluorescent compound but biphenyl a non-fluorescent?
- f) How mobile phase flow affects chromatographic resolution of components?
- g) What is migration time in electrophoresis?
- h) What do you mean by affinity chromatography?
- Explain triplet excited state of molecule, giving example.
- j) Mention applications of paper chromatography.

# **Multiple Choice Question To Instrumental Analysis**

**JG Myers** 

### **Multiple Choice Question To Instrumental Analysis:**

<u>Handbook of Research on Web Log Analysis</u> Jansen, Bernard J., Spink, Amanda, Taksa, Isak, 2008-10-31 This book reflects on the multifaceted themes of Web use and presents various approaches to log analysis Provided by publisher

Instrumental Social Justice in Higher Education Leah P. Hollis, 2024-02-29 This book offers eight validated instruments on workplace bullying to support robust mixed methods approaches for social justice research Workplace bullying is an excellent starting point from which scholars can consider social justice research. The data shows that marginalized and disenfranchised groups minoritized groups women junior faculty and the LGBTQ community are disproportionately affected The outcomes included career interruption and severe health disparities Though there is a demand for workplace bullying instruments the book also lays a foundation for creating surveys to address these populations Advances in Applications of Rasch Measurement in Science Education Xiufeng Liu, William J. Boone, 2023-07-31 This edited volume presents latest development in applications of Rasch measurement in science education It includes a conceptual introduction chapter and a set of individual chapters. The introductory chapter reviews published studies applying Rasch measurement in the field of science education and identify important principles of Rasch measurement and best practices in applications of Rasch measurement in science education The individual chapters contributed by authors from Canada China Germany Philippines and the USA cover a variety of current topics on measurement concerning science conceptual understanding scientific argumentation scientific reasoning three dimensional learning knowledge in use and cross cutting concepts of the Next Generation Science Standards medical education learning experiences machine scoring bias formative assessment and teacher knowledge of argument There are additional chapters on advances in Rasch analysis techniques and technology including R Bayesian estimation comparison between joint maximum likelihood JML and marginal maximum likelihood MML estimations on model data fit and enhancement to Rasch models by Cognitive Diagnostic Models and Latent Class Analysis The volume provides readers who are new and experienced in applying Rasch measurement with advanced and exemplary applications in the forefront of various areas of science education research Textbook of Basic Analytical Chemistry Discipline Specific Elective (DSE) Based on Syllabus of NEP 2020 Dr. Bhupendra Singh Banjare, Dr. Benvikram Barman , Dr. Swati Chandrawanshi , Dr. Toshikee Yadav, 2025-11-07

Methodologies and Intelligent Systems for Technology Enhanced Learning Mauro Caporuscio, Fernando De la Prieta, Tania Di Mascio, Rosella Gennari, Javier Gutiérrez Rodríguez, Pierpaolo Vittorini, 2016-05-26 The 6th International Conference in Methodologies and intelligent Systems for Technology Enhanced Learning held in Seville Spain is host by the University of Seville from 1st to 3rd June 2016 The 6th edition of this conference expands the topics of the evidence based TEL workshops series in order to provide an open forum for discussing intelligent systems for TEL their roots in novel learning theories empirical methodologies for their design or evaluation stand alone solutions or web based ones It intends to

bring together researchers and developers from industry the education field and the academic world to report on the latest scientific research technical advances and methodologies Analytical Chemistry, International Adaptation Gary D. Christian, Purnendu K. Dasgupta, Kevin A. Schug, 2020 With the 7th Edition of Analytical Chemistry renowned chemists Purnendu Sandy Dasgupta and Kevin Schug both of the University of Texas Arlington join the author team The new edition focuses on more in depth coverage of the principles and techniques of quantitative analysis and instrumental analysis aka Analytical Chemistry The goal of the text is to provide a foundation of the analytical process tools and computational methods and resources and to illustrate with problems that bring realism to the practice and importance of analytical chemistry It is designed for undergraduate college students majoring in chemistry and in fields related to chemistry Analysis P. D. Chaithanya Sudha, 2012 Pharmaceutical Analysis is a compulsory subject offered to all the under graduate students of Pharmacy This book on Pharmaceutical Analysis has been designed considering the syllabi requirements laid down by AICTE and other premier institutes universities The book covers both the Titrimetric and Instrumental aspects of Pharmaceutical analysis which is helpful for use in multiple semesters Market Research and Analysis Donald R. Voice of the Customer: Capture and Analysis Kai Yang, 2007-10-24 Discover All the Advantages of Lehmann.1989 Using Design for Six Sigma to Develop and Build Customer Value Based Products Voice of the Customer Capture and Analysis equips Six Sigma you with the skills needed to create and deploy surveys capture real customers need with ethnographic methods immediately analyze the results and coordinate and drive responsive actions Quality expert Kai Yang explains how to utilize the statistical methods of Design for Six Sigma to identify key customer needs and assess the cost of poor quality He then shows how to design robust products to meet those needs optimize product life cycles and accurately validate their findings Voice of the Customer Capture and Analysis features a wealth of information on Six Sigma and value creation customer survey design administration and analysis ethnographic research process management and Lean Product Development the deployment of customer value into products DFSS and value engineering This product design tool enables you to Minimize sources of response and measurement error Discern customer preferences Design VOC research to minimize mistranslation Respond to analytical implications of VOC data Optimize design to decrease sensitivity of CTQs to process parameters With the help of Voice of the Customer Capture and Analysis you can now acquire the skills needed to truly understand a customer's wants and needs in order to develop and build optimal products Most Design for Six Sigma product development teams fall short of truly understanding their customers want and needs until it is too late Market research studies and reports simply do not provide sufficient guidance Today s Six Sigma practitioners need a comprehensive approach to designing and building customer value based products Voice of the Customer Capture and Analysis now gives you the ability to create and deploy surveys capture real voice of the customer in the field immediately analyze the results and coordinate and drive responsive actions This powerful product development tool demonstrates how to utilize the

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Marketing Research and Analysis Lyndon O. Brown, Leland Larson Beik, 1969 Perinatal Mental Health: Expanding the Focus to the Family Context Susan Garthus-Niegel, Antje Horsch, Yael Benyamini, 2021-09-28 The School of Education Record of the University of North Dakota University of North Dakota. School of Education, 1928 The School of Education Record of the University of North Dakota, 1928 Aviation ,1941 Wiley CPA Examination Review, Outlines and Aviation Meteorology Study Guides Irvin N. Gleim, Patrick R. Delaney, 1991-07-02 Southern Economic Journal ,1927 Unscrambled Kenneth B. McCool, 1989 Development and Validation of an Instrument to Predict Probable Success in Associate Degree Nursing Programs Betty Marlene Dean, 1976 Journal of Social Studies Research, 2005 **Abstracts** on Criminology and Penology ,1977 Bimonthly Abstracts of journal articles and monographs Covers material from psychiatric literature as well as from criminological sources Entries arranged in classified order Author subject indexes

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