

Roll No.

94105

**B. Sc. Physics 6th Semester
Examination – February, 2022**

NUCLEAR PHYSICS

Paper : PHY-602

Time : Three hours]

[Maximum Marks : 45

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

प्रश्नों के उत्तर देने से पहले परीक्षार्थी यह सुनिश्चित कर लें कि उनकी पूर्ण एवं सही प्रश्न-पत्र मिला है। परीक्षा के उपरान्त इस संबंध में कोई भी शिकायत नहीं सुनी जायेगी।

Note : Attempt five questions in all, selecting at least one question from each Unit. All questions carry equal marks.

प्रत्येक इकाई से कम से कम एक प्रश्न का चयन करते हुए, कुल पाँच प्रश्नों का उत्तर दें। सभी प्रश्नों के अंक समान हैं।

UNIT – I

इकाई – I

1. (a) Determine the mass by Bain-Bridge and Jordan mass spectrograph. 6

बेन-ब्रिज और जॉर्डन मास स्पेक्ट्रोग्राफ द्वारा द्रव्यमान का निर्धारण करें।

94105-2200-(P-4)(Q-8)(22)

P. T. O.

Modal Question Paper Bsc Sixth Semester

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Quick Review Series For B.Sc. Nursing: Semester I and II - E-Book Annu Kaushik, 2023-05-25 Quick Review Series QRS for BSc Nursing Semester I and II 2nd edition is an extremely exam oriented book The content has been developed and arranged in a manner so the entire INC syllabus has been covered The subject content has been divided unit wise and according to the weightage of marks in each unit It is well illustrated with simple reproducible diagrams and flow charts To aid in quick learning before examinations memory aides and mnemonics have also been added The book will serve the requirements of BSc Nursing Semester I and II students to prepare for their examinations Content presented in well classified sections Compliant to the revised INC Curriculum All question types asked in the University exams are addressed Long essays Short essays and Short notes Clearly describes how to attempt a question in the exam Suitable number of tables and flow charts according to the need of the questions Reproducible diagrams in Anatomy and Physiology sections

Engineering Mathematics-I Dr. Kailas L. Vairal, Prof. Nitin R. Kharat, Prof. Ganesh R. More, 2024-10-30 This book is published as per the SPPU National Education Policy 2020 This book used common to all UG Engineering Programs This book will surely benefit every engineering students Addiction Psychiatry & OSCE Practice Guide for Mental Health Nurses : Based on Fifth, Sixth & Eighth Semester BSc Nursing Syllabus Prof. Kavitha B, Prof. Dr. Jomon Thomas, Arun James, 2025-05-30 Addiction Psychiatry OSCE Practice Guide for Mental Health Nurses is a comprehensive and practical resource tailored to the unique learning needs of nursing students and professionals working in psychiatric and mental health settings The book provides an in depth understanding of substance use disorders behavioral addictions and their multifaceted impact on individuals families and communities It integrates evidence based nursing interventions with a compassionate person centered approach Designed to bridge the gap between theory and clinical application this guide includes high yield OSCE Objective Structured Clinical Examination scenarios that reflect real life challenges encountered in addiction psychiatry Each OSCE station is accompanied by key assessment criteria sample dialogues and clinical tips to enhance confidence and competence in patient interactions With clear explanations case based discussions and structured learning tools this book is ideal for BSc and MSc nursing students nurse educators and practicing mental health nurses preparing for exams or clinical postings Emphasizing therapeutic communication ethical practice and holistic care it empowers nurses to take an active role in the management and recovery of individuals struggling with addiction Whether you re preparing for OSCEs or seeking a deeper understanding of addiction psychiatry this guide offers a vital foundation for excellence in mental health nursing Text Book of Inorganic Chemistry for BSc Chemistry Honors Semester-2, Course-3 by BVR Venkata Rao Basa, 2025-02-11 Text Book of Inorganic Chemistry for BSc Chemistry Honors Semester 2 Course 3 by BVR includes the topics p Block d Block f Block Organometallic compounds qualitative salt analysis procedure MCQs for entrance exams and previous years question papers Equally useful for students aspiring to crack exams like NEET IITJEE IITJAM

CUCET and similar exams Can be used as a basis for CSIR NET JL and DL exams B.Sc. Sem.1 & 2 and 1 year Mathematics old questions papers PRAHSIDDH Educare,2024-05-28 Examination conducted by Bhavnagar University like B Sc Mathematics There is a set of old question papers of semester 1 and 2 as well as first year *Semiconductor Physics for Engineers* Dr. Jitendra Gaur,2022-10-29 This book covers the latest syllabus of B Tech I year Computer Science Engineering and Information Technology UG Course of Maharshi Dayanand University Rohtak Haryana and as per AICTE new guidelines The book covers almost 100% of the syllabus Number of solved problems along with important questions and previous year university exam papers are enclosed in the book Synopsis of Biotechnology with Question Bank & Mnemonics Ritu Batra,Dr K Chaudhry, Biotechnology is a multidisciplinary subject which is now solving important scientific and societal problems for the benefit of mankind and environment This discipline has gained lot of momentum once the genome has been sequenced Molecular biology bioinformatics microbiology proteomics genomics cell biology drug designing cloning stem cell research are some major fields of biotechnology which gained more importance in now a days This book will be highly useful for students teachers and researchers in all disciplines of life sciences medicine agricultural sciences and biotechnology in colleges universities and research institutions Multiple choice questions will help the students for preparation of CSIR UGC NET and other competitive entrance examinations *A Concise Text Book of Inorganic Chemistry for I BSc Organic Chemistry (H), Semester-II, Course-3* VENKATA RAO BASA,2025-01-26 Text book of inorganic chemistry primarily meant for BSc Semester 2 and course 3 Topics p block elements organometallic elements d block elements and f block elements Practical notes for qualitative salt analysis procedure Objective questions are included for PG entrance exams with previous years questions YouTube video links provided for further reference Equally useful for IIT entrance preparing students and for NEET preparation *Mechanics (Physics for Civil Engineering and Print Technology)* Dr. Jitendra Gaur,2022-08-02 This book covers the latest syllabus of B Tech 1st year Civil Engineering Printing Technology UG Course of Maharshi Dayanand University Rohtak Haryana and G scheme of AICTE The book covers almost 100% of the syllabus Number of solved problems along with important questions and previous year university exam papers are enclosed in the book Backpacker ,2001-03 Backpacker brings the outdoors straight to the reader s doorstep inspiring and enabling them to go more places and enjoy nature more often The authority on active adventure Backpacker is the world s first GPS enabled magazine and the only magazine whose editors personally test the hiking trails camping gear and survival tips they publish Backpacker s Editors Choice Awards an industry honor recognizing design feature and product innovation has become the gold standard against which all other outdoor industry awards are measured Innovate Higher Education to Enhance Graduate Employability Hong Bui,Hoa Nguyen,Doug Cole,2019-05-02 The worldwide marketization of higher education has resulted in a growing pressure on universities accountability particularly in terms of more tangible learning outcomes directly related to paying higher tuition fees Covering globally diverse perspectives Innovate Higher Education to Enhance Graduate Employability

uses a range of international case studies to help practitioners and researchers review reflect on and refresh their ability to bridge the gap between university and industry A timely response to the need to improve the quality of higher education in order to build work readiness in students this book Adds a critical global dimension to this topical area in higher education as well as society s concerns Provides a number of practice based case studies on how universities can transform their programmes to enhance graduate employability Acts as a source of practical suggestions for how to improve students sufficient employability including their skills knowledge and attitudes Provides insights from theory practices and policy perspectives A crucial read for anyone looking to engage with the global issue of graduate employability Innovate Higher Education to Enhance Graduate Employability covers both theoretical frameworks and practical models through an exploration of how universities around the world are using innovative techniques to enhance employability **Universities Handbook** ,2014 *Reference Deśabandhu Madhya Pradesh* Lalit Surjan,Vinod Verma,1996 **Real-World Electronic Voting** Feng Hao,Peter Y. A. Ryan,2016-11-30 Real World Electronic Voting Design Analysis and Deployment captures all major developments in electronic voting since 2003 in a real world setting It covers three broad categories e voting protocols attacks reported on e voting and new developments on the use of e voting This book explores recent innovations in both poll site and remote voting systems and their application throughout the world The requirements of elections are analysed the available tools and technologies are described and a variety of modern systems are presented in detail together with discussions of deployments This is an invaluable resource for election professionals researchers and policy makers alike Key Features Reviews both technical and social aspects of e voting Covers e voting protocols attacks reported on e voting and new developments on the use of e voting Designed for government election practitioners and policy makers who want to understand the threats and opportunities in e voting and assess its suitability for future elections Who's who in Western Europe ,1981 Cumulated Index Medicus ,1998 **Nursing Times** ,1986 *Stud Managers' Handbook* ,1981 Beef Cattle Science Handbook ,1981 Vols for 1964 67 contain papers of the Beef Cattle Science School 1968 74 papers of the Stockmen s School 1975 77 papers of the International Stockmen s School *Dairy Science Handbook* ,1981

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Practice 26. Name: Date: Hour: _____. 1. What does it mean to say that a bond is polar? One of the atoms ... Skill Practice 16 - Atomic Size Skill Practice 16. Atomic Size. Practice. Name: KEY. Date: Hour: 1. What force of attraction does the second energy level of a phosphorus atom "feel" from the ... Skill Practice 13 Obtain permission for classroom use at www.ChemistryInquiry.com. Skill Practice 13. Name: Date: Hour: _____. 1 ... Sample Guided Inquiry Chemistry Lessons Please evaluate all of the materials for the unit. You will find ChemQuests, Skill Practice assignments, review sheets, video explanations, and labs. To ... Skill Practice 9 Skill Practice 9. Practice Problems. Name: Average Atomic Mass. Date: Period: _____. A certain element exists as ... Skill Practice 14 (ANSWER KEY) Skill Practice 14 (ANSWER KEY). Lewis Practice. Name: Date: Hour: _____. How many valence electrons does each of ... Skill Practice 30-33 answers.doc View Homework Help - Skill Practice 30-33 answers.doc from CHEM 202 at Simon Fraser University. Skill Practice 30 Name: _ Date: _ Hour: _ 1. The Think and Grow Rich Action Pack: Learn the Secret ... Napoleon Hill takes you on a journey explaining the experiences of the inner you, Thoughts, Desire, Faith, Autosuggestion, Knowledge, Planning, Decision, ... The Think and Grow Rich Action Pack The Think and Grow Rich Action Pack. \$16.00. Published around the world, this book has become an undisputed classic in the field of motivational literature. The Think and Grow Rich Action pack featuring ... The Think and Grow Rich Action pack featuring Think and Grow Rich by Napoleon Hill and Think and Grow Rich Action Manual ... Only 1 left in stock - order soon. The Think and Grow Rich Action Pack by Napoleon Hill Published around the world, this book has become an undisputed classic in the field of motivational literature. Inspired by Andrew Carnegie, it has been... The Think and Grow Rich Action Pack: Learn the Secret ... Published around the world, this book has become an undisputed classic in the field of motivational literature. Inspired by Andrew Carnegie, it has been. The Think and Grow Rich Action Pack by Napoleon Hill Published around the world, this book has become an undisputed classic in the field of motivational literature. The Think and Grow Rich Action Pack (Learn the Secret ... By Napoleon Hill, ISBN: 9780452266605, Paperback. Bulk books at wholesale prices. Min. 25 copies. Free Shipping & Price Match Guarantee. The Think and Grow Rich Action Pack by Napoleon Hill The Think and Grow Rich Action Pack by Napoleon Hill-Published around the world, this book has become an undisputed classic in the field of motivation. Think and Grow Rich Action Pack Published around the world, this book has become an undisputed classic in the field of motivational literature. Inspired by Andrew Carnegie, it has been cited ... The Think & Grow Rich Action Pack (Paperback) Published around the world, this book has become an undisputed classic in the field of motivational literature. Inspired by Andrew Carnegie, ... Vlerkdans Wolfie is a sensitive grade 11 boy. He meets Anton, a ballet dancer with a lovely body, but then Anton becomes sick. The diagnosis: HIV/Aids. <https://webmail.byu11.domains.byu.edu/books?id=7A9...> No information is available for this page. Vlerkdans (skooluitgawe) by Barry Hough | eBook Vlerkdans is bekroon met 'n Goue Sanlam-prys vir Jeuglektuur en 'n ATKV-kinderboektoekenning (13-15 jaar). Hierdie skooluitgawe van Vlerkdans is goedgekeur vir ... Barrie Hough He is best known for writing youth literature. He wrote in his native Afrikaans, however

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