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EDUCATION REPUBLIC OF SOUTH AFRICA

PHYSICAL SCIENCES SCOPE FOR EXAMINATIONS 2024: GRADE 12

MARCH CONTROLLED TEST (100 marks)			
PAPER	TOPICS	MARK	DURATION
	Mechanics Momentum & Impulse: ✓ Momentum, Newton's second law expressed in terms of Momentum, ✓ Conservation of momentum and Elastic and Inelastic collisions. Vertical Projectile Motion in One Dimension (1D): ✓ represented in words, diagrams, equations and graphs Grade 11 Work ✓ Newton's Laws (Newton 1, 2, 3) ✓ Newton's Law of Universal Gravitation) ✓ Applications of Newton's Laws	50	2 hours
ONE PAPER ONLY	Matter and Materials Organic molecules: Organic molecular structures - functional groups, saturated and unsaturated structures, isomers FUPAC naming and formulae Structure physical property relationships Applications of organic chemistry - Substitution, addition and elimination. (ONLY alkanes, alkenes, alkynes, alcohols, haloalkanes, carboxylic acids, and esters) Grade 11 Work Inter-molecular forces NB: Quantitative aspects of chemical change may be assessed across chemistry.	50	

Physical Science Paper Scope

N Noddings

Physical Science Paper Scope:

The Scientific Letters and Papers of James Clerk Maxwell: Volume 1, 1846-1862 James Clerk Maxwell, 1990-10-26 This is a comprehensive edition of Maxwell's manuscript papers published virtually complete and largely for the first time Maxwell's work was of central importance in establishing and developing the major themes of the physics of the nineteenth century his theory of the electromagnetic field and the electromagnetic theory of light and his special place in the history of physics His fecundity of imagination and the sophistication of his examination of the foundations of physics give particular interest and importance to his writings Volume I 1846 1862 documents Maxwell's education and early scientific work and his major period of scientific innovation his first formulation of field theory the electromagnetic theory of light and the statistical theory of gases Important letters and manuscript drafts illuminate this fundamental early work and the volume includes his letters to friends and family general essays and lectures and juvenilia **UPTET Teacher Selection Paper-1 for Class 1 to 5 2020** Arihant Experts, Teaching is one of the oldest and most respected profession it molds the fragile minds into a strong independent decision makers UPTET is a state level Test that is conducted by UPBEB Uttar Pradesh Basic Education Board for the requirement of Primary and Upper Primary Level Teachers in various schools of Uttar Pradesh UPTET exam is conducts two phases Phase 1 For Primary Teachers and Phase 2 For Upper Primary Teachers The eligibility criteria for both Phases are different The present edition of UPTET Paper 1Teacher Selection for Class I V gives the best study material to the aspirants who are willing to pursue teaching as a profession The book is divided 5 Sections which are further divided into chapters and covering the complete syllabus It provides Previous Years Solved Papers 2018 2016 in the beginning of the book in order to make applicants understand the latest pattern of the examination and the answer writing tactics Answers of each question is well explained with the concepts in an easy to understand language so the candidates could grasp it easily and quickly Ample amount of questions are given in the book for thorough practice This book is an excellent quide to prepare the students for facing the upcoming UPTET Exam TABLE OF CONTENT Solved Paper November 2018 Solved Paper October 2017 Solved Paper December 2016 Solved Paper February 2016 Child Development and Pedagogy Language I English Language II Hindi Mathematics Environmental Studies Success Master CTET Paper-I Class 1 to 5 2020 Arihant Experts, 2020-01-02 Throughout the world teaching is looked at as one of the most respected and noble profession a person could have A great teacher not only shows the right path that a student should follow but also prepares the human resources for the further development of the nation Among various exams CTET is the most popular teaching exam in the country Central Teaching Eligibility Test CTET is a national level test conducted by CBSE twice a year to recruit the eligible candidates as teacher The exam is conducted into 2 papers Paper 1 for class 1 5 and Paper 2 for class 6 8 Any candidate who is interested to become a teacher for classes 6 to 8 then they have to appear for both the papers The new the edition of Study Guide Success Master CTET Paper I for class I V has been prepared completely on the latest exam pattern The book has been

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