

## PHYSICAL SCIENCES EXAMINABLE CONTENT FOR MARCH TESTS: GRADE 10 and 11

### 1. Control tests

Control tests are written under controlled conditions within a specified period of time. Questions should assess performance at different cognitive levels (as shown below and refer to Appendix B4) with an emphasis on process skills, critical thinking, scientific reasoning, and strategies to investigate and solve problems in a variety of scientific, technological, environmental, and everyday contexts.

WEIGHTING OF QUESTIONS ACROSS THE COGNITIVE LEVELS			
Level 1	Level 2	Level 3	Level 4
15%	35%	40%	10%

The format of a control test is like that of an examination.

	Grade 10	Grade 11	Grade 12
Multiple-choice questions	10 x 2 each – 20	10 x 2 each – 20	10 x 2 each – 20
Structured questions	80	80 marks	80 marks
Total of paper	100	100	100

A control test assesses the work done in that specific term. It is the teacher's responsibility to catch up on learning losses of the previous year as well as on the term's work to fully understand the topics demarcated in a specific test.

The knowledge areas and topics that will be assessed in each control test are given in the tables below, with approximate marks. Marks per control test are 100 for a duration of two hours. The ratio of "marks" to "minutes" is the same as for an examination, which is 50 marks per 60 minutes or one hour.

#### 1.1 Control test 1 (Term 1)

CONTROL TEST 1 GRADE 10						
PAPER	KNOWLEDGE AREA (KA)	MARKS (KA)	TOPICS	MARKS (TOPICS)	TOTAL MARK	DURATION
One paper	Wave, Sound & Light	65	Transverse pulses and waves	25	100	2 hours
			Longitudinal pulses and waves			
			Sound	16		
			Electromagnetic radiation	24		
	Electricity & Magnetism	35	Electrostatics	20		
			Electric circuits	15		

CONTROL TEST 1 GRADE 11						
PAPER	KNOWLEDGE AREA (KA)	MARKS (KA)	TOPICS	MARKS (TOPICS)	TOTAL MARK	DURATION
One paper	Mechanics	75	Vectors in 2D	20	100	2 hours
	Electricity & Magnetism	25	Newton's laws	45		
			Electrostatics	35		

# 2012 March Control Tests Grade 10

**Disha Experts**

## 2012 March Control Tests Grade 10:

*IBPS PO 10 Year-wise Preliminary & Main Exams Solved Papers (2011-20) 3rd Edition Disha Experts,2020-04-06*

UGC-NET/SET: Commerce (Paper II & III) JRF and Assistant Professor Exam Guide HIGH DEFINITION BOOKS, This book is specially developed for the candidates of CBSE UGC NET Commerce Junior Research Fellowship and Assistant Professor Paper II and III Exam This book included Study Material and Solved Papers for the purpose of practice of questions based on the latest pattern of the examination Detailed Explanatory Answers have also been provided for Better

Understanding of the Candidates      **Dynamics of decision making: from evidence to preference and belief** Erica Yu,David A. Lagnado,2014-10-24 At the core of the many debates throughout cognitive science concerning how decisions are made are the processes governing the time course of preference formation and decision From perceptual choices such as whether the signal on a radar screen indicates an enemy missile or a spot on a CT scan indicates a tumor to cognitive value based decisions such as selecting an agreeable flatmate or deciding the guilt of a defendant significant and everyday decisions are dynamic over time Phenomena such as decoy effects preference reversals and order effects are still puzzling researchers For example in a legal context jurors receive discrete pieces of evidence in sequence and must integrate these pieces together to reach a singular verdict From a standard Bayesian viewpoint the order in which people receive the evidence should not influence their final decision and yet order effects seem a robust empirical phenomena in many decision contexts Current research on how decisions unfold especially in a dynamic environment is advancing our theoretical understanding of decision making This Research Topic aims to review and further explore the time course of a decision from how prior beliefs are formed to how those beliefs are used and updated over time towards the formation of preferences and choices and post decision processes and effects Research literatures encompassing varied approaches to the time scale of decisions will be brought into scope a Speeded decisions and post decision processes that require the accumulation of noisy and possibly non stationary perceptual evidence e g randomly moving dots stimuli within a few seconds with or without temporal uncertainty b Temporally extended value based decisions that integrate feedback values e g gambling machines and internally generated decision criteria e g when one switches attention selectively between the various aspects of several choice alternatives c Temporally extended belief based decisions that build on the integration of evidence which interacts with the decision maker s belief system towards the updating of the beliefs and the formation of judgments and preferences as in the legal context Research that emphasizes theoretical concerns including optimality analysis and mechanisms underlying the decision process both neural and cognitive is presented as well as research that combines experimental and computational levels of analysis      *Therapeutic Exercise Carolyn Kisner,Lynn Allen Colby,John Borstad,2017-10-18* Here is all the guidance you need to customize interventions for individuals with movement dysfunction You ll find the perfect balance of theory and clinical technique in depth discussions of the principles of therapeutic exercise and manual therapy

and the most up to date exercise and management guidelines Bureau of State Audits,2012 **Self-Driven Learning** Larry Ferlazzo,2013-09-05 In this lively research based book award winning educator Larry Ferlazzo tackles everyday classroom challenges with creative instructional techniques to help middle and high school teachers develop self motivated and high achieving students The practical tips online resources and mini lessons in this book encourage students to take charge of their own learning boosting their success in and outside of the classroom Detailed lesson plans in every chapter align with the Common Core English Language Arts Standards and cover a variety of valuable skills including Personal responsibility and perseverance Social and emotional learning Standardized test taking strategies And much more *Federal Register* ,2013-10 Statement of Requirements for Controlled Materials, by Industry Division and Product Code, Third Quarter 1945 ,1945 **But Will It Fly?** Iver P. Cooper,2025-09-17 Conventional aircraft today are propelled by the action of propellers or jets and powered by the internal combustion of petroleum fuels in piston turboprop or jet engines But other power sources powerplants and propulsion devices for airships as well as aircraft have been proposed and even experimented with over the last few centuries The power sources considered include human muscles steam batteries nuclear reactors and hydrogen fuel and the propulsion devices include sails oars flapping wings rockets and cycloidal propellers This meticulously researched book presents the history of these unconventional aerial power and propulsion systems explains the underlying science and technology behind them and assesses the crucial question of practicality Safety Management Systems in Aviation Alan J. Stolzer,John J. Goglia,2016-03-03 Although aviation is among the safest modes of transportation in the world today accidents still happen In order to further reduce accidents and improve safety proactive approaches must be adopted by the aviation community The International Civil Aviation Organization ICAO has mandated that all of its member states implement Safety Management System SMS programs in their aviation industries While some countries the United States Australia Canada members of the European Union and New Zealand for example have been engaged in SMS for a few years it is still non existent in many other countries This unique and comprehensive book has been designed as a textbook for the student of aviation safety and as an invaluable reference tool for the SMS practitioner in any segment of aviation It discusses the quality management underpinnings of SMS the four components risk management reliability engineering SMS implementation and the scientific rigor that must be designed into proactive safety The authors introduce a hypothetical airline oriented safety scenario at the beginning of the book and conclude it at the end engaging the reader and adding interest to the text To enhance the practical application of the material the book also features numerous SMS in Practice commentaries by some of the most respected names in aviation safety In this second edition of Safety Management Systems in Aviation the authors have extensively updated relevant sections to reflect developments since the original book of 2008 New sections include a brief history of FAA initiatives to establish SMS data driven safety studies developing a system description SMS in a flight school and measuring SMS effectiveness **IRE**

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## The Enigmatic Realm of **2012 March Control Tests Grade 10**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing lacking extraordinary. Within the captivating pages of **2012 March Control Tests Grade 10** a literary masterpiece penned by a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of those that partake in its reading experience.

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