



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

FARHAD AKOOS
MEMO

NATIONAL SENIOR CERTIFICATE

GRADE 12

PHYSICAL SCIENCES: PHYSICS (P1)

NOVEMBER 2024

MARKS: 150

TIME: 3 hours

Q1	21 minutes	20 marks
Q2	19 minutes	15 marks
Q3	22 minutes	16 marks
Q4	11 minutes	12 marks
Q5	11 minutes	12 marks
Q6	9 minutes	12 marks
Q7	12 minutes	14 marks
Q8	20 minutes	21 marks
Q9	9 minutes	13 marks
Q10	16 minutes	15 marks
Total	150 minutes	150 marks

This question paper consists of 16 pages and 3 data sheets.



G12 Physical Science Guide Memo Smartlearner

Chao Zhang



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Physical Science Fundamentals John J. Merrill,James N. Thorne,1981 **Focus on Physical Science** Annette Miele Saturnelli,1989 Physical science ,2006 *Physical Science 111 : a Teaching Guide* Nova Scotia. Department of Education,Nova Scotia. Youth Education,1979

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