

NATIONAL SENIOR CERTIFICATE

GRADE 11

AGRICULTURAL SCIENCES
TOPIC TEST
12 APRIL 2024

MARKS: 50

TIME: 1 ½ HOURS

INSTRUCTIONS AND INFORMATION

1. This question paper consists of TWO sections, namely SECTION A and SECTION B.
2. Answer ALL the questions in the ANSWER BOOK.
3. Start EACH question on a NEW page.
4. Number the answers correctly according to the numbering system used in this question paper.
5. Non-programmable calculators may be used.
6. Show ALL your calculations, including formulae, where applicable.
7. Write neatly and legibly.

THE QUESTION PAPER CONTAIN 5 PAGES

2014 Grade 10 Agricultural Science Final Exam P2

Memo

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web coordinates of v the standard coordinates are v_3 are the b_1 b are assumed if no other basis is specified this means $v = 3e_1 + 4e_2 + 4e_5 + 2e_6$ if $b = \{v_1, v_2, v_3\}$ is a basis of $\mathbb{R}^n$ then the matrix S which contains the vectors v_k as column vectors is called the coordinate change matrix

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web and now that we know what $\mathbf{D}$ is we can now solve for $\mathbf{A}$ we can now solve for the transformation matrix with respect to the standard basis so to do that we have to figure out $\mathbf{C}$ and $\mathbf{C}^{-1}$ so $\mathbf{C}$ remember $\mathbf{C}$ is just the change of basis matrix and all that is is the basis vectors it's just a matrix with the basis vectors in the column

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