



ZIMBABWE SCHOOL EXAMINATIONS COUNCIL
General Certificate of Education Ordinary Level

SHONA LANGUAGE

4007/2

PAPER 2: Mashandisirwo eMutauro, Misambo yeMutauro neMaumbirwo eMutauro

JUNE 2023 SESSION

Maawa maviri

Additional materials:
Answer paper

NGUVA: Maawa maviri

RAYIRO KUVANYORI VEBVUNZO

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Pindura mibvunzo misere chete.

Ukashandisa mapepa anodarika rimwe, asunganidze pamwe chete.

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web coordinates of v the standard coordinates are $v = \begin{pmatrix} v_1 \\ v_2 \end{pmatrix}$ are the b_1, b_2 are assumed if no other basis is speci ed this means $v = v_1 b_1 + v_2 b_2$ if b_1, b_2 is a basis of $\mathbb{R}^n$ then the matrix S which contains the vectors b_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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