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ZIMBABWE SCHOOL EXAMINATIONS COUNCIL
General Certificate of Education Ordinary Level

MATHEMATICS
PAPER 1

4004/1

NOVEMBER 2022 SESSION 2 hours 30 minutes

Candidates answer on the question paper

*Additional materials:
Mathematical Instruments*

Allow candidates 5 minutes to count pages before the examination.

This booklet should not be punched or stapled and pages should not be removed.

Time 2 hours 30 minutes

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Answer all questions.

Write your answers in the spaces provided on the question paper using black or blue pens.
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Omission of essential working will result in loss of marks.

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flower orientation the flowers point upward or spread or curve outward flower petal color pink to red white flower petal

length 3 4 5 mm flower shape the flower has an urn shaped corolla constricted at the opening the flower is bell shaped

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general information bulb solitary or clustered applanate globose to cylindric ovoid tunic purple red brown red pale brown red or yellow to pale yellow papery to thinly leathery entire leaves shorter than scape 0.5-2 cm wide terete fistulose

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stem underground bulb leaf a cluster of radical leaves emerges from the underground bulb cylindrical and fleshy having sheathy leaf bases with parallel venation inflorescence scapigerous i.e. the inflorescence axis peduncle arising from the

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the floral formula of allium cepa onion of the liliaceae family is as follows here the symbols represent systematic position of liliaceae kingdom plantae subkingdom tracheobionta super division spermatophyta division magnoliophyta class liliopsida subclass liliidae order liliales family liliaceae features of liliaceae family

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the flowers of allium are described as bowl shaped flowers in morphological terms with hidden nectarines generally they are in under part of the ovary onion flowers are a good source of floral nectar and pollen the nectar produced from the nectaries was found to be collected in three cups between

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allium cepa is an evergreen bulb growing to 0 6 m 2ft see above for usda hardiness it is hardy to uk zone 5 and is not frost

tender it is in flower from june to july the species is hermaphrodite has both male and female organs and is pollinated by

bees insects suitable for light sandy and medium loamy soils and prefers well drained soil

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stem underground bulb 4 leaf a cluster of radical leaves emerges from the underground bulb cylindrical and fleshy having

sheathy leaf

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allium is a genus of monocotyledonous flowering plants with hundreds of species including the cultivated onion garlic scallion

shallot leek and chives the generic name allium is the latin word for garlic and the type species for the genus is

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