

BIOLOGY
PRACTICAL
PAPER 3

CONFIDENTIAL INSTRUCTIONS TO SCHOOLS

The information contained in this paper is to enable the head of the school and the teacher in charge of biology to make adequate preparations for this year's Ndhiwa District Joint Examination in Biology practical Examination.

No one else should have access to this paper or acquire knowledge of its contents. Great care **MUST** be taken to ensure that the information herein does not reach the candidates either directly or indirectly.

The teacher in charge of Biology should **NOT** perform any of the experiments in the same room as the candidates or give any other information related to the experiments to the candidates.

Each Candidate will require:

- 4 test tubes
- Test tube rack
- Test tube holder
- Benedict's solution
- Iodine solution
- 0.01% **DCPIP** solution
- Soaked pea seeds with only radicle visible, marked **N**.
- Humerus marked **P**
- Femur marked **R** (**P** and **R** should be from the same animal, either mammal or chicken)
- Ripe avocado fruit marked **S**.
- Distilled water
- Filter paper
- 2 droppers
- About 10ml cotton wool
- White tile
- Means of heating
- Wooden splint
- Scarpel blade