

MANGA DISTRICT JOINT EVALUATION EXAM– 2012

231/3

BIOLOGY

PAPER 3

(PRACTICAL)

JULY/AUGUST - 2012

CONFIDENTIAL

INSTRUCTINS 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 preparation for this year's Biology practical

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 candidate either directly or indirectly. The teacher in charge of Biology should NOT perform any of the experiments or give any information related to these instructions to the candidates

Each candidate will require:

- About 120 ml of tap water
- 3 empty test tubes
- 8 ml of sucrose solution in test tube R
- 1 ml dilute hydrochloric acid in test tube T
- 2 ml dilute sodium hydrogen carbonate in S
- 2 ml Dichlorophenol indophenol in test tube V
- 5 ml of Benedict's solution in test tube U
- 3 droppers
- Water bath/means of heating
- Test tube holder