ADVANCED LEVEL NATIONAL EXAMINATIONS, 2018

SUBJECT: BIOLOGY

PAPER III: PRACTICAL BIOLOGY

COMBINATIONS: - BIOLOGY-CHEMISTRY-GEOGRAPHY (BCG)
- MATHEMATICS-CHEMISTRY-BIOLOGY (MCB)
- PHYSICS-CHEMISTRY-BIOLOGY (PCB)

DURATION: 1 Hour 30 minutes

INSTRUCTIONS:

1) Write your names and index number on the answer booklet cover in the space provided as written on your registration form and DO NOT write your names and index number on additional answer sheets of paper if provided.

2) Do not open this question paper until you are told to do so.

3) This paper consists of only one question which is compulsory. /30marks

4) All answers should be written in the answer booklets provided.

5) Use only a blue or black pen.
ANSWER ALL QUESTIONS (30 Marks)

You are provided with Specimen Q which is a plant tissue. Observe the specimen carefully and then:

(a) Draw a well labeled diagram of specimen Q. (10 marks)

(b) (i) Show the floral formula of specimen Q. (5 marks)
    (ii) Draw the floral diagram of specimen Q. (5 marks)

(c) Suggest with Five reasons the agent of pollination of specimen Q.
    (i) Agent of pollination. (1 mark)
    (ii) Reasons. (5 marks)

(d) Suggest with three reasons the type of pollination of specimen Q.
    (i) Type of pollination (1 mark)
    (ii) Reasons. (3 marks)