Candidate's Name: …… Signature: ……..

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PRINCIPLES AND
PRACTICES OF
AGRICULTURE
Paper Three
July 2019
2 hours

BUGANDA EXAMINATION COUNCIL (BECO)

Uganda Advanced Certificate of Education

PRINCIPLES AND PRACTICES OF AGRICULTURE

PRACTICALS

Paper 3

Time:2 hours

INSTRUCTIONS TO CANDIDATES:

- ✓ *Answer* **ALL** *the questions in this paper*
- ✓ *Write answers must be written in the spaces provided*
- ✓ *No additional sheets of paper should be attached to this question paper*

For Examiners' Use Only		
Question	**Marks**	**Examiner's Signature**
No. **1**		
No. **2**		
No. **3**		
No. **4**		
No. **5**		
Total		

1. You are provided with specimens **P** and **Q** which are soil samples

Carryout tests to determine the presence of organic matter and moisture in the specimens B and C by following the test procedure

(a). Record your observations and conclusions in the table provided

Tests		Observation	Conclusion
i	Put 10cc of specimen **P** in a boiling tube and heat gently for 3 minutes		
ii	Continue heating specimen **P** strongly for 5 minutes		
iii	Put 10cc of specimen **Q** in a boiling tube and heat gently for 3 minutes		
iv	Continue heating specimen **Q** strongly for 5 minutes		

(04 marks)

(b). Basing on your observations and conclusions in the table, state with reasons the most suitable soil for crop production **(02marks)**

Specimen: ……

Reasons:……...…….

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(b). State **four (4)** importance in each case of organic matter and moisture in the soil **(02marks)**

(i). Organic matter……..

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(ii). Soil moisture ……...

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2. You are provided with specimens **E**, **F**, **G** and **H** which are workshop tools

(a). Basing on observed features, state how each of the specimens **E**, **F**, **G** and **H** is adapted its function **(04marks)**

Specimen **E**……..

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Specimen **F**……..

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Specimen **G**……..

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Specimen **H**……..

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(b). Describe how specimen **E**, **F**, **G** and **H** can be used to make a wooden door using specimen **I**, claw hammer and nails **(02marks)**

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(c). Suggest **two (2)** ways of maintaining each of the specimen **E**, **F**, **G** and **H** in good working condition **(04marks)**

Specimen **E**……

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Specimen **F**……

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Specimen **G**……

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Specimen **H**……

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3. You are provided with specimen **S, T**and**U**whichareanimalparasites, observethemcarefullyandanswerthequestionsthatfollows

(a) Classifythespecimensintotwoclasses **(01mark)**

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(b) Basing on your observations, Statetwoadaptationsofeachofthespecimens**S, T**and**U**aslivestockparasites **(03marks)**

Specimen **S**……

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Specimen **T**……

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Specimen **U**……

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(c). Statetwoeffectsofeachofthespecimenontheirhosts **(03marks)**

Specimen **S**……

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Specimen **T**……

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Specimen **U**……

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(d). Suggesttwo (2) controlmeasures for each of the specimens **(03marks)**

Specimen **S**……

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Specimen **T**……

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Specimen **U**……

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4. Specimen **J,K, L**and**M**arepoultrybirdsandequipmentusedinmanagementofbirdsinapoultryhouse

(a). (i). Basingontheobservedfeatures for each specimen, commentonthe suitability ofeachspecimenasalaying bird

(02marks)

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(ii). Give four (4) reasons in each case to support your answers in (a) (i) above **(04marks)**

Specimen**J**……

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Specimen **K**……

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(b). Explain how specimen **L** increases efficiency of specimen **M** in a deep litter house **(02marks)**

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(c). Suggest two **(2)** ways of maintaining each of the specimens **L** and **M** in a good working condition **(02marks)**

Specimen**L**..……

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Specimen **M**……

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5. Specimens**A, B**and**C** arecommonweedsinthecropgardens. Observe them carefully and answer questions that follows

(a). Basingontheobservedfeatures, commentontheadaptations ofthespecimentosurviveasaweeds **(03marks)**

SpecimenA……..

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SpecimenB……..
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…...……

SpecimenC……..
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…...……

(c). State two effects of animals grazing onspecimen C **(01mark)**
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(d) Suggesttwo**(2)**possiblemethodsofcontrollingeachofthe specimens **(3marks)**

SpecimenA……..
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SpecimenB……..
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SpecimenC……..
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…...……

(d). Justifythestatement, "specimen **A, B C** and othersare a necessary evil" **(03marks)**
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……. The End …..…….