

081106T4AEX

AGRICULTURAL EXTENSION LEVEL 6

AGR/OS/EXT/CC/01/6

Apply Agricultural Extension and Rural Sociology

March/April 2026



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

WRITTEN ASSESSMENT

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.
2. Answer **ALL** questions in section A and **ANY THREE** (3) questions in section B.
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet
5. Do not write on the question paper.

This paper consists of FOUR (4) printed pages

Candidate should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

SECTION A (40 MARKS)

Answer ALL questions in this section

1. Informal education plays an important role in agricultural skills development. State FOUR characteristics of informal education. (4 Marks)
2. As an extension officer introducing a new farming practices to farmers in your region, list FOUR reasons for using demonstrations to teach farmers. (4 Marks)
3. During adoption of a new farming technology, factors such as ‘observability’ and ‘complexity’ influence farmers’ decisions. State how each factor affects adoption.” (4 Marks)
4. A farmer is used to traditional ways of growing crops and is hesitant to try new methods. As an extension expert name FOUR ways you can help change the farmer’s mindset and improve farming practices. (4 Marks)
5. A farmer wants to understand the financial situation of their farm. As an agricultural adviser, identify FOUR ways a balance sheet can help the farmer. (4 Marks)
6. A new type of fertilizer is introduced in your village. Farmers adopt it at different times. Name FOUR groups of farmers in the adoption category. (4 Marks)
7. A group of farmers wants to learn about proper crop irrigation. State FOUR extension training techniques you can use to train them to understand and adopt the techniques. (4 Marks)
8. A farmer wants to increase maize yield on his farm. List FOUR agricultural technologies that can help improve crop production. (4 Marks)
9. Farmers in a community have different beliefs, traditions, and social norms that affect their farming practices. Identify FOUR ways agricultural extension officers can use rural sociology to address these social factors and improve adoption of new technologies. (4 Marks)
10. Land boundary disputes have caused conflict among farmers in a community. As an agricultural extension agent, Name FOUR methods you would use to resolve the conflict. (4 Marks)

SECTION B (60 MARKS)*Answer any THREE questions from this section*

11. In a village with low agricultural performance, an extension officer plans to work through farmers' groups to improve technology uptake and farm productivity.

a) Describe FIVE ways in which joining a farmers' group can help address these challenges. (10 Marks)

b) Explain FIVE roles of extension workers in facilitating agricultural technology transfer to farmers in this village (10 Marks)

12. A group of Farmers from village ABC wants to receive subsidies from the government.

a) Explain FIVE reasons why farmers need to understand government procedures. (10 Marks)

b) Describe FIVE procedures farmers should follow to get government subsidies. (10 Marks)

13. A new variety of drought-resistant maize seed has been introduced in your village. The number of farmers adopting the seed over six months is shown in the table below.

Month	Number of new adopters	Cumulative adopters
1	5	
2	8	
3	12	
4	15	
5	10	
6	5	

a) Fill in the cumulative adopters and plot the cumulative adoption curve on a graph paper (10 Marks)

b) Explain FIVE stages involved in the adoption of the new maize variety (10 Marks)

14. An agricultural organization has realized that poor communication on financial matters and weak extension practices is affecting staff morale and service delivery to farmers. As a manager and extension professional in the organization.

a) Explain FOUR importance of giving financial reports to the staff. (8 Marks)

b) Discuss SIX principles that can be used to strengthen extension activities in this organization. (12 Marks)