



ANGLAIS

Current food systems are at a crossroads. There is a strong need for transforming food production and consumption patterns in a sustainable way. **One** where farmers adapt and build resilience to the increasing challenges from climate change and where nutritious food is available for all. Agro-ecology provides one solution towards this transformation.

5 Agro-ecology has been around since the 1920s when scientists used the term to refer to the application of ecological principles to agriculture where diversity, recycling and effective use of resources in farming systems is central. **It** has evolved over the years to become a holistic approach to agriculture, integrating science with economic, social and ecological systems. Agro-ecology has become high on the global agenda for the Sustainable Development Goals. The
10 **approach** has a potential strong contribution to farming system resilience against climate change impacts, to the conservation of biodiversity, and to reversing land degradation trends.

15 Farmers' traditional knowledge combined with innovation in practices and the sustainable use of technologies is at the core of an agro-ecological farming system. Cultivation practices maintain high crop production and livestock diversity is integrated in a farming ecosystem that facilitates recycling of biomass, nutrients, water and energy. As such, these practices create resilience by spreading risks and improving the water and nutrient buffer capacity in the system.

20 Agro-ecology empowers smallholders, including women, young farmers and indigenous peoples. Farmers are considered as more than just producers; their engagement in creating knowledge, innovations and adaptation, and their cultural and social values are intrinsically linked to the type of food they produce. Farmers are less dependent on seasonal external inputs and youth are more motivated to engage with these innovative approaches. Producers and consumers are more connected.

25 Importantly, agro-ecology has the potential to contribute to farmers' income generation and stability by reducing losses to climate shock and reducing inputs costs. What is more, agro-ecological backyard gardens in which horticulture is integrated with vegetables and fruits production ensure the availability of nutritious food. Selling these produce directly through local markets benefit **both** producers and consumers and creates a fair rural economic model contributing to human health.

Adapted form © FAD/Lianne Milton/Panos December 18th. 201.

I. READING DCOMPREHENSION (08 marks)

A. Indicate the right answer by circling one option.(3 marks-1mark for item 1 and 0,5 for the rest)

1. *The title that best summarizes the text is....*

- Origins of agro-ecology;
- Sustainable Development Goals;
- Agro-ecology and small holders;
- A new direction in farming systems.

2. *The phrase 'are at a crossroads' (line 1) suggests the idea that...*

- ...we need to turn left;
- ...we need to turn right;
- ...we need to change course;
- Neither a), b), nor c).

3. The word 'holistic' (line 7) is derived from the word...
 - a.. ...hole;
 - b.. ...whole;
 - c.. ...who;
 - d.. Neither of the above.
4. The term 'smallholders' (line 20) means...
 - a.. ...powerful farmers;
 - b.. ...modern famers;
 - c.. ...farm holders;
 - d.. ...small farmers.
5. The word 'inputs' (line 24) refers to...
 - a.. ...what farmers get out of the farm after their work;
 - b.. ...what farmers use in their work in order to produce something;
 - c.. ...seeds;
 - d.. ...fertilizers.

B. Indicate the paragraph of the idea by ticking (✓) the appropriate column . (2 marks)

	P.1	P.2	P.3	P.4	P.5
Example: Agricultural and food production systems are in crisis.	✓				
6. Agro-ecology has now become wider than at its beginnings.					
7. Combination of agriculture and cattle breeding					
8. Promoting a given category of farmers					
9. Farmers are not the only ones to benefit from agro-ecology.					

C. Say what the following words in bold in the text refer to. (3 marks)

10. 'one' (line 2) :
11. 'it' (line 7) :
12. ... 'approach' (line 9) :

II. LINGUISTIC COMPETENCE (8 marks)

D. Put the verbs between parenthesis in the right tense and form. (2 marks)

Today, agro-ecology seems to be the buzzword in agriculture in the country. Indeed, many are the compatriots who (13) (to undertake) some sort of farming activities in the Niayes area or in other regions. In general, these weekend farmers (14) (to opt) for the agro-ecological approach to farming for their activities. Personally, I think this is a very good thing, since it can enhance employment while (15) (to contribute) to national food availability and security. It's high time the authorities (16) (to decide) of encouraging this tendency by providing incentives.

E. Circle the right options to get meaningful sentences. (3 marks)

17. Many entrepreneurs' projects depend _____ easy access to loans from banks.
 - a. for
 - b. on
 - c. of
 - d. for
18. _____ of global warming, sea levels are rising and causing frequent disasters.
 - a. because
 - b. due to
 - c. thanks to
 - d. cause
19. We have farming as the main activity in this area with compost use, _____?
 - a. don't we?
 - b. do we?
 - c. have we?
 - d. haven't we?
20. As agro-ecology is promising, _____ many small farmers are adopting it.
 - a. few
 - b. many
 - c. little
 - d. much
21. Most farmers sell _____ products in local markets to meet family's needs.
 - a. them
 - b. there
 - c. these
 - d. their
22. any case, this new development in agriculture is something to be encouraged.
 - a. before
 - b. after
 - c. in
 - d. when

F. Fill in the gaps with the appropriate form of the word given in bracket in each sentence. (3 marks)

Exemple : (IMPROVE) - Using compost brings significant *improvements* to crop yields.

23. (STRONG) – He is wrong to believe that can be the solution to all problems in the world.
24. (APPLICATION) – She was too young to for this motivating job.
25. (CONSUMPTION) – People are protesting against highprices.
26. (EXPLAIN) – His of the disappearance of the money was incredible.
27. (APPLAUD) – The audience gave a strong round of after the artist's brilliant performance.
28. (SEASON) – The rains have been particularly abundant this year.

III. WRITING (4 marks)

Choose only ONE topic, and write between 150-200 words.

TOPIC 1: Two students are discussing on the jobs they plan to do after graduation. Write down their conversation.

TOPIC 2: You are a farmer and want to convert to agro ecology. Write a letter to the local agriculture office to ask for information and advice on how to do this.

TOPIC 3: Many young people in the country are without employment while there are immense lands they could exploit to earn a decent living. Write an essay in which you explain why the youth are reluctant to engage in agriculture.

ANSWER KEY**I. READING COMPREHENSION (8 marks)**

A. 1. d; 2. c; 3. b; 4. d; 5. b. (3 marks)

B. (2 marks)

	P.1	P.2	P.3	P.4	P.5
Example: Agricultural and food production systems are in crisis.	√				
6. Agro-ecology has now become wider than at its beginnings.		√			
7. Promoting a given category of farmers				√	
8. Combination of agriculture and cattle breeding			√		
9. Farmers are not the only ones to benefit from agro-ecology.					√

C. 10. 'One' (line 2): ...food production systems / food production and consumption patterns. (03 marks)

11. 'It' (line 7): ...agro-ecology (line 6).

12....'approach' (line 11): ...the agro-ecological approach to agriculture (line 9)

II. LINGUISTIC COMPETENCE (8 marks)D. 13. undertaking-have undertaken;
14. opt-do opt;
15. contributing;
16. decided.

E. 17. b; 18. a; 19. a; 20. b; 21. d; 22. c.

F. 23. strength ; 24. apply; 25. consumer; 26. explanation; 27. applause; 28. seasonal.

III. WRITING

Use the grading criteria below if no guidelines from the coordination meeting.

- Degree to which text satisfies length requirement and other mechanics features: (1 mark)

- Degree to which candidate shows understanding of topic / text is relevant to topic: (1mark)

- Degree to which text is free of grammar, spelling and vocabulary errors: (1mark)

- Degree of text understandability, overall quality and originality: (1mark)

NB: Other features of relevance to writing: legibility, punctuation, capital vs. lower case, et

