

**FINAL EXAMINATION****FOUNDATION IN ARTS****COURSE : THINKING SKILLS****COURSE CODE : ELR1013****DURATION : 2 HOURS****INSTRUCTIONS TO CANDIDATES:**

1. This question paper consists of **THREE (3)** parts : PART A (10 questions)
: PART B (4 questions)
: PART C (2 questions)
2. Answer **ALL** questions.
 - i. Answer PART A in the Objective Answer Sheet.
 - ii. Answer PART B and PART C in the Answer Booklet provided.
3. Please check to make sure that this examination pack consists of:
 - i. The Question Paper
 - ii. An Answer Booklet
 - iii. An Objective Answer Sheet
4. Do not bring any material into the examination hall.
5. Please write your answer using permanent ink.

MYKAD/ PASSPORT NO. : _____
ID. NO. : _____
LECTURER : _____
SECTION : _____

DO NOT OPEN THIS QUESTION PAPER UNTIL YOU ARE TOLD TO DO SO

This question paper consists of 8 printed pages including the front page

PART A: MULTIPLE CHOICE

Choose the correct answer.

1. Which of the following best defines critical thinking?
 - A. A method of finding answers using trial and error.
 - B. A process of relying on intuition to make decisions quickly.
 - C. The ability to come up with unique and unconventional solutions to problems.
 - D. A complex process of deliberation that involves a wide range of skills and attitudes.
2. The following are theories in critical thinking skills **EXCEPT** _____.
 - A. Bloom's Taxonomy
 - B. Critical Thinking Model
 - C. Reflective Thinking Model
 - D. Convergent Thinking Model
3. What is the first step in effective decision-making?
 - A. Evaluating possible solutions
 - B. Implementing the best solution
 - C. Gathering feedback from others
 - D. Identifying and defining the problem

The ability to find solutions and create new ideas when there is no single correct answer

4. The term for the statement above is _____.
 - A. critical thinking
 - B. creative thinking
 - C. logical reasoning
 - D. divergent thinking
5. Which of the following correctly describes the sequence of stages in Piaget's theory of cognitive development?
 - A. Sensorimotor→Preoperational→Concrete Operational→Formal Operational
 - B. Preoperational→Concrete Operational→Sensorimotor→Formal Operational
 - C. Formal Operational→Concrete Operational→Preoperational→Sensorimotor
 - D. Concrete Operational→Formal Operational→Sensorimotor→Preoperational

The identification and comparison of solutions
when solving problems.

6. Which stage of Bloom's Taxonomy emphasises this cognitive process?
- A. Creating
 - B. Analysing
 - C. Evaluating
 - D. Understanding
7. The following are cognitive skills involved in the analysis process of Bloom's Taxonomy **EXCEPT** _____.
- A. identifying patterns
 - B. memorising and recalling facts
 - C. evaluating different perspectives
 - D. breaking down information into parts
8. Which of the following statements best describes creative thinking?
- A. Applying traditional methods to solve problems
 - B. Thinking step by step using a structured process
 - C. Using memory-based techniques to find solutions
 - D. Approaching problems in an indirect and creative manner
9. Which of the following creative thinking techniques allows individuals to explore problems from multiple perspectives?
- A. Dialogue Map
 - B. Rapid Ideation
 - C. Multi-Flow Map
 - D. Six Thinking Hats
10. A map that represents the cause-and-effect relationship of an issue is referred to as _____.
- A. Tree Map
 - B. Brace Map
 - C. Bubble Map
 - D. Multi-Flow Map

(TOTAL: 10 MARKS)

PART B: SHORT ANSWER**QUESTION 1**

Identify whether the reasoning process is inductive or deductive based on the following statements.

	Statement	Inductive/Deductive
a.	All metals conduct electricity. Copper is a metal, so it conducts electricity.	
b.	No insects have backbones. A butterfly is an insects, so it does not have a backbone.	
c.	All university students must register for courses. Lina is a university student, so she must register for courses.	
d.	Every time I drink milk, I get a stomach ache. I am probably lactose intolerant.	
e.	All fruits contain seeds. An apple is a fruit, so it contains seeds.	
f.	All triangles have three sides. This shape is a triangle, so it must have three sides.	
g.	The traffic is usually heavy when it rains. It is raining today, so the traffic will likely be heavy.	
h.	Most students prefer online notes to printed ones. Amir is a student, so he probably prefers online notes.	
i.	My lecturer has cancelled class twice this month. She will probably cancel again next week.	
j.	Every time Sarah studies the night before an exam, she scores well. She studied last night, so she will score well today.	

(Total: 10 marks)

QUESTION 2

Define the following terms:

- a. Argument
- b. Conclusion
- c. Propositions
- d. False Premise

(Total: 4 marks)

QUESTION 3

Describe **TWO (2)** types of systematic techniques in analysing the problem after gathering information in problem-solving and provide **ONE (1)** example for each type.

(Total: 8 marks)

QUESTION 4

Read the following passage. Infer **ONE (1)** conclusion and identify **THREE (3)** underlying assumptions that can be observed from the passage.

Climate change has become one of the most pressing global challenges, affecting ecosystems, weather patterns, and human livelihoods worldwide. Rapid industrialisation and excessive carbon emissions have contributed significantly to environmental degradation, raising concerns about the future of the planet. Although governments and organisations are promoting sustainable practices and renewable energy, collective action from individuals and communities remains essential to reduce environmental damage and ensure a healthier future for coming generations.

(Total: 8 marks)

(TOTAL: 30 MARKS)

PART C: LONG-STRUCTURED**QUESTION 1**

Read the passage and answer the questions that follow.

The Importance of Renewable Energy

- i Renewable energy has become an essential part of global efforts to address environmental challenges and reduce dependence on fossil fuels. Sources such as solar, wind, hydroelectric, geothermal, and biomass energy provide sustainable alternatives that help decrease greenhouse gas emissions and combat climate change. Unlike fossil fuels, which release large amounts of carbon dioxide and other pollutants into the atmosphere, renewable energy sources generate electricity with minimal environmental impact. These initiatives not only support environmental protection but also contribute to economic development and energy security. 5
- ii In addition to its environmental benefits, renewable energy can contribute significantly to long-term economic growth. As technology advances, the cost of producing renewable energy has decreased considerably, making it more accessible and affordable for both businesses and households. Solar panels and wind turbines, for example, have become more efficient and cost-effective due to continuous research and technological innovation. This stability can lead to improved economic resilience and long-term financial benefits for both governments and consumers. 10 15
- iii Another major advantage of renewable energy is its ability to provide a sustainable and reliable energy supply for future generations. Renewable resources are naturally replenished through environmental processes such as sunlight, wind, and the water cycle, making them far less vulnerable to depletion than non-renewable energy sources. In addition, advancements in battery storage technology and smart grid systems have improved the ability to store and distribute renewable energy more efficiently. These developments help ensure that renewable energy can remain a dependable component of modern energy systems even during periods of fluctuating supply. 20 25

- iv Despite these advantages, the transition to renewable energy faces several challenges. High initial installation costs can discourage businesses, governments, and homeowners from investing in renewable technologies. Although renewable energy systems often provide long-term savings, the upfront 30 expenses associated with purchasing and installing solar panels, wind turbines, and energy storage systems can be substantial. These factors can affect the consistency and reliability of energy production.
- v Another challenge involves balancing energy supply and demand while integrating renewable energy into existing power systems. Furthermore, public 35 resistance to certain developments, such as wind farms or hydroelectric dams, may arise due to concerns about land use, visual impact, or environmental disruption. Addressing these issues requires careful planning, community engagement, and ongoing technological improvements to ensure that renewable energy projects are both effective and socially acceptable. 40
- vi To overcome these obstacles, governments and industries must continue investing in research, innovation, and infrastructure development. Advances in energy storage technologies, such as high-capacity batteries and hydrogen fuel systems, can help address concerns regarding energy reliability and availability. International cooperation and knowledge sharing can further accelerate the 45 development of renewable energy solutions, enabling countries to learn from successful projects and best practices implemented elsewhere.
- vii As the demand for sustainable energy solutions continues to grow, renewable energy is expected to play a vital role in shaping a cleaner and more sustainable future. Although challenges remain, the environmental, economic, 50 and social benefits of renewable energy far outweigh the difficulties associated with its adoption. By working together, governments, industries, communities, and individuals can accelerate the transition towards cleaner energy sources and build a more secure, environmentally responsible, and prosperous world for future generations. 55

(Adapted from: *International Energy Agency (IEA), "Renewables 2024: Analysis and Forecast to 2030", 2024*)

- a. Identify **THREE (3)** conclusions from the passage and provide **TWO (2)** premises for each conclusion.

(18 marks)

- b. In your opinion, what are **THREE (3)** reasons why governments should invest more in renewable energy? Elaborate on your arguments.

(12 marks)

(Total: 30 marks)

QUESTION 2

State whether you agree or disagree with each of the statements below.

Support your answer with **TWO (2)** reasons and provide **ONE (1)** detailed explanation for each argument.

- a. Should employees have the right to disconnect from work-related communications outside official working hours?

(10 marks)

- b. Is implementing unlimited paid leave beneficial for both employees and organisations?

(10 marks)

- c. Should stricter environmental regulations be introduced to govern business activities?

(10 marks)

(Total: 30 marks)

(TOTAL: 60 MARKS)

(TOTAL: 100 MARKS)

END OF QUESTION PAPER