THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN SECONDARY EDUCATION EXAMINATION

713 **GEOGRAPHY**

(SUPPLEMENTARY)

Time: 3 Hours. **Year: 2010**

Instructions

1. This paper consists of sections A, B and C.

2. Answer **all** questions from Section A and **two (2)** questions from each of section B and C.

3. Section A carries **40** marks, Section B and C carry 30 marks each.

4. Cellular phones are **not** allowed inside the examination room.

5. Write your **Examination Number** on every page of your answer booklet

SECTION A (40 Marks)

Answer **all** questions in this section.

1. Describe four major geomorphological regions in East Africa and explain how each region affects crop choice and market access.

2. Explain four structural or cultural incentives that often correlate with higher birth rates in rural communities.

3. List four direct causes of infant mortality in Tanzania linked to infrastructure, and propose a realistic intervention for each.

4. Explain how differential positioning technology (GNSS) improves field mapping accuracy compared with compass-based methods.

5. Identify four industries that continue to benefit from soils and landforms left by past glaciation in Europe and describe why.

6. Analyze two economic benefits and two social or ecological costs associated with the rapid expansion of tourist facilities in Tanzanian landscapes.

7. (a) Define pollution incident in one sentence.
   (b) Provide a classification scheme by receptor and by origin.
   (c) Give one short example of a pollution incident affecting a freshwater source and a response action.

8. (a) Give a working definition of pollution for environmental assessment.
   (b) Name four principal pollution types encountered in industrial corridors.
   (c) For one type, outline two measurements used to quantify its severity.

9. Explain four essential site, hydrological, or grid-connection requirements for a large-scale hydropower project.

10. Discuss four contributions of geography courses to national disaster preparedness and land-use decision-making in Tanzania, with examples.

SECTION B (40 Marks)

Answer **two (2)** questions from this section.

11. Discuss four cognitive or practical capabilities pupils acquire through geography education, and explain one real-world application per capability.

12. (a) What comprises instructional media for geography?
    (b) Critically assess three functions of interactive field notebooks in teaching.
    (c) Suggest two low-tech simulations to teach coastal processes.

13. Students collected elevation profiles, land-cover notes, and water-quality strips. Compare and critique four recording formats commonly used in geography fieldwork in terms of reproducibility and student workload.

14. Analyze four ways a formal syllabus assists a teacher in meeting curriculum targets and preparing learners for national assessment.

SECTION C (20 Marks)

Answer **two (2)** questions from this section.

15. (a) Define a lesson plan and list its core elements.
    (b) Construct a 45-minute lesson plan on “Rotation of Earth and resulting time zones” suitable for Form One, including assessment tasks.

16. Identify four classroom and field strategies that promote accurate geographic observation and measurement, provide an example for each.

17. Draft a lesson plan using Think-Pair-Share to teach students how to derive slope from contour spacing, include time allocation and expected outputs.

18. Discuss four purposes of classroom assessment in geography and recommend one instrument for each purpose.