

052106T4ENS

ENVIRONMENTAL SCIENCE LEVEL 6

ENV/OS/SCI/CR/06/6/A

Apply Environmental Information Systems

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks

Task 1: EXTRACTION

- a) Import Kenya county*
- b) Clip Kirinyaga county and label, Kirinyaga_CANDIDATE NUMBER*
- c) Add Features- Kenya rivers and Kenya forests*
- d) Extract features- rivers and forests in Kirinyaga county and label*
- e) Remove Kenya county, Kenya Rivers and Kenya Forests*

TASK 2: PROCESSING

- a) *Change symbology -Kirinyaga county to yellow, rivers-blue and forests green*
- b) *Save map as “Kirinyaga county_CANDIDATE REGITRATION NUMBER*
- c) *Create new print layout and label Kirinyaga_CANDIDATE NUMBER*
- d) *Insert map and key elements*
- e) *For title ensure it is in bold, align center, middle, and use font size 30*
- f) *Add Grid*

Task 3:PRINT MAP

- a) *Print as file type pdf*
- b) *Save Project*

2. You have been provided with the following resources for the practical tasks:

S/NO	ITEMS	QUANTITY (per candidate)	PROVIDED BY
1.	Computer with QGIS software	1	Institution
2.	QGIS software	1	
3.	Coloured Printer	1 per 30	
4.	Foolscap	1	
5.	Printing Paper	enough	
6.	Shapefiles (Kenya, Kenya Counties, Forest, Rivers)	1	
7.	Pen	enough	Candidate