

ESAME DI STATO PER L'ABILITAZIONE ALLA PROFESSIONE DI **GEOLOGO**

Sezione **V.O.**

PROVA **PRATICA**

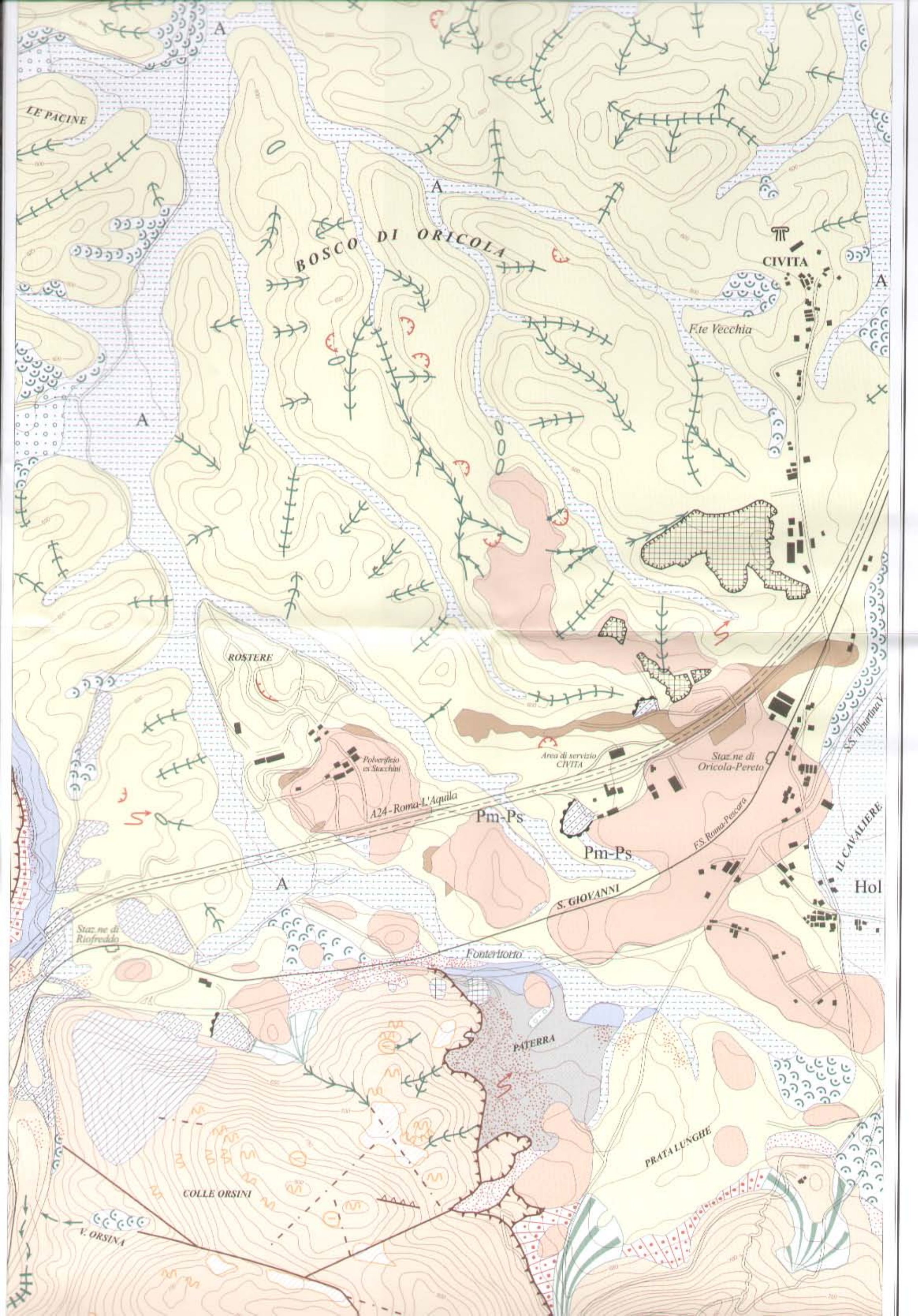
Tema 2

Il candidato sviluppi completamente la sezione geologica lungo la traccia **A-B** indicata nell'allegato 1.

Il candidato svolga, quindi, il seguente tema

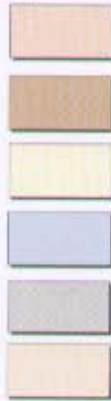
Dopo aver esaminato la carta geomorfologica e la relativa legenda, il candidato:

- descriva dettagliatamente il contesto geomorfologico dell'area in funzione delle litologie presenti;
- illustri i principali processi **morfogenetici** che interagiscono con le infrastrutture viarie;
- indichi le zone soggette a rischio geomorfologico.



GEOLOGICAL - STRUCTURAL ELEMENTS

Bedrock



- Reddish tuffs
(Middle Pleistocene)
- Grey tuffs
(Middle Pleistocene)
- Mainly lacustrine silts and clays
(Lower-Middle Pleistocene)
- Turbiditic clay and sandstones
(Upper Miocene)
- Silty-marly rocks (Upper Miocene)
- Carbonate rocks (Miocene)

Tectonics



- Overthrust
- Fault
- Joint (or other tectonic line of uncertain origin)

STRUCTURAL LANDFORMS



- Fault scarp

SLOPE LANDFORMS DUE TO GRAVITY

Erosional landforms

active

inactive



- Minor landslide scarp edge
- Solifluction

Deposits and constructional landforms



- Debris mantled slope
- Scree slope

KARST LANDFORMS



- Doline
- Karren
- Area with undifferentiated weathering products

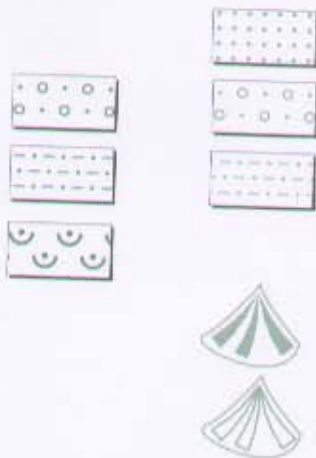
FLUVIAL AND SLOPE LANDFORMS DUE TO RUNNING WATERS

Erosional landforms



- Gully
- V-shaped small valley
- Trough-shaped small valley
- Flat-floored small valley
- Closed depression due to suffosion
- Gorge
- Downcutting stream

Deposits and constructional landforms



- Cemented conglomerates
- Sand to gravel
- Sand, silt and clay
- Colluvial deposit
- Alluvial fan, slope $< 2\%$
- Alluvial fan, slope between 2% and 10%

MAN-MADE LANDFORMS



- Archaeological site
- Quarry
- Abandoned quarry
- Edge of quarry wall
- Dump rubble
- Edge of dump rubble

MORPHOCHRONOLOGY

A
Hol
Pm-Ps

- Present
- Holocene
- Middle-Upper Pleistocene

