Examination: Geo-Information Systems
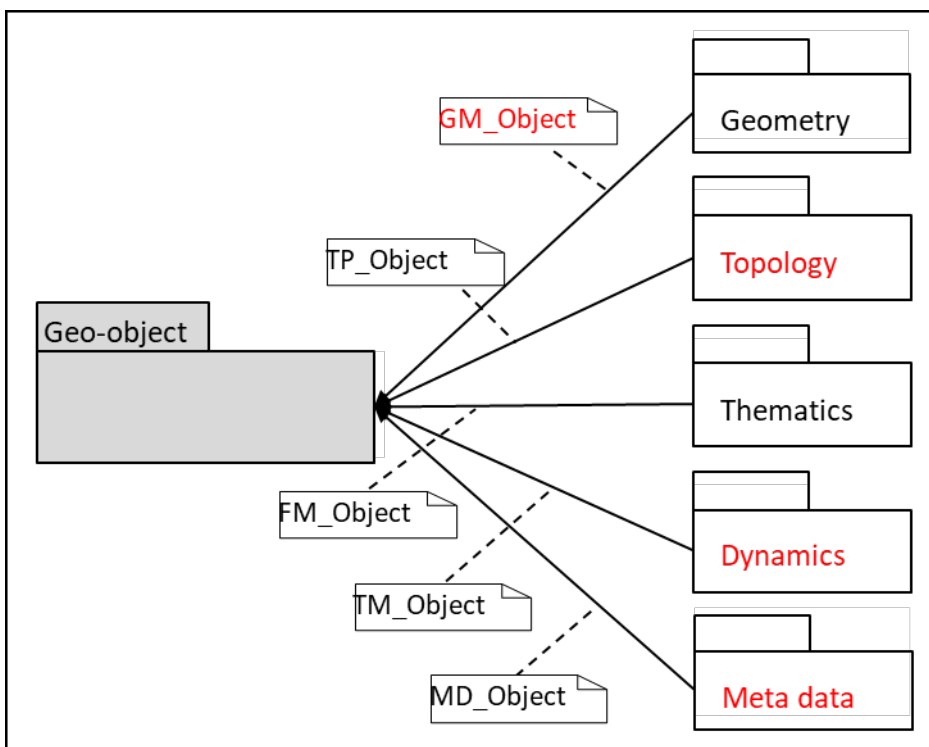
Student name: …………………………………   **Enrollment number**: …………..…..

1. What does Geo stands for in the term GIS? (multiple answers may be allowed)

☐	geological	■	geographical
■	somehow related to the earth	☐	geometry
☐	………………………..	■	spatially referenced data

2. Complete the definition: A GIS is a computer-based system to input, manage, analyse and present spatial information.

3. Fill in the given terms in the sketch to complete the definition of a spatial feature (Geo-object).
Given terms: GM_Object, Topology, Dynamics, Meta information

4. Which coordinate reference systems (name of the datum and name of the CRS) are used in Ecuador:

PSAD56 /UTM	SIRGAS 1995
WGS'84	……………………………………………………………

5. Name two GIS software products.

1. ArcGIS	2. QGIS

6. Name at least three terms related to the IMAP processing chain in a GIS

Input: data capturing methods	Tacheometry GNSS Laserscanning Photogrammetry	**Modelling/Manage- ment:** Model types/languages	Unified Modeling Language Thematic model Logical model Application schema
Analysis: analysis functions	Polygon overlay Shortest path Interpolation Aggregation	**Presentation:** Presentation types	Maps Diagrams Reports Animation

7. Where does ISO and OGC stands for? (multiple answers may be allowed)

☑ Standardisation/Norms	☐ GIS Data delivery
☐ GIS Product development	☑ Harmonization
☑ Interoperability	☐ World wide web
…………….……………..	…………….……………..