**Soil and water Department – Second Class**

**Question Banks – General Geology**

1. Explain the Layers of Earth, types and their properties.
2. Write about Earth’s Sphere ?
3. What is the differences between Divergent and Convergent plate boundary ?
4. Write about the properties of the minerals.
5. Define the Minerals, what are the Physical properties of the mineral ?
6. What is the difference between Transgression and Regression in sedimentary facies ?
7. Write about Rock cycle (you can explain it by sketch).
8. Define the Magma, and what are the types of magma ?
9. Write about Lava and Lava flow.
10. Write about Igneous rock textures ?
11. What are the major processes forming the clastic sedimentary rocks ?
12. What are the types of Terrestrial (Non-marine) environments?
13. What are the sedimentary structures ?
14. What are the factors causes Metamorphism ?
15. What is the difference between ***two*** of the followings:
16. Dom and Basin
17. Anticline and Syncline
18. Normal and Reverse Fault

1. What are the types of the Marine environments ?
2. Write about processes occurs during metamorphism.
3. Write about Strike and Dip .
4. Write about the Geological Map and cross-section.
5. Define two of the followings:

a. Metamorphism

b. Polymorphs

c. Foliated Rocks

1. What is the difference between Brittle and Ductile features ?
2. Write about type of the Fold.
3. Write about Mohs Hardness Scale.
4. What is the difference between one of the followings:

 a. Intrusive and Extrusive Igneous rocks.

 b. Foliated and Non-foliated Metamorphic rocks.

1. What are the factors cause Metamorphism, and what is the type of Metamorphism ?
2. What are the types of sedimentary rocks ?
3. What is the Origins of common Igneous Rocks ?
4. Explain plate boundary, types and their properties.
5. Write about the processes that occur during metamorphism.
6. What are the Parts of the Fold ?
7. What are the process that form Magma ?
8. What is the difference between Basin and Dom ?
9. Write about the sedimentary environments ?
10. Write about the texture of igneous rocks ?
11. What is the difference between two of the followings:
12. Normal fault and Reverse fault.
13. Organic sedimentary rock and chemical sedimentary rock.
14. Symmetrical and asymmetrical ripple marks.
15. Write about the strike and dip of the geological formation ?
16. What is the difference between Chemical sedimentary rock and Organic sedimentary rock.
17. Define the followings:

Mohs Hardness Scale – Magma – Anticline – Minerals

1. What is the difference between ***two*** of the following:
2. Transgressions and Regression in Sedimentary facies.
3. Normal Fault and Reverse Fault.
4. Symmetrical and Asymmetrical Fold