**TEST 2-PHYSICAL GEOLOGY-2nd START**

**Part 1-Chs 3, 4 & 12**

**Multiple Choice Questions: (Q 1 to18)**

**Q 1: Which of the following igneous rocks has an Intrusive-Extrusive Texture**

1. **Rhyolite**
2. **Diorite**
3. **Andesite Porphyry**
4. **Peridotite**
5. **Basalt**

Q 2: Which rock from the above list ( a to e) is Felsic Extrusive

Q 3: Which rock from the above list is Ultra-Mafic

Q 4: Which rock from the above list is Intermediate

**Q 5: Which Mineral from the list below is the first to crystallize (form)**

1. **Quartz**
2. **Olivine**
3. **Muscovite**
4. **Calcite**

Q 6: Which Mineral from the above list is the last to crystallize (form)

Q 7: Which mineral from the above list belong to Non Silicate Family

**Q 8: This type of Lava Flow is typical of hot spots [repeat answers possible]**

1. **Aa**
2. **Pahoe hoe**
3. **Pillow Lavas**
4. **Basaltic Lavas**
5. **None to limited**

Q 9: This type lava flow is viscous

Q 10:This type of Lava Flow (see above) forms under Sea Waters (in oceans)

Q 11:This type of Lava Flow (see above) is relatively mobile

**Q 12:This Igneous Rock Body is Concordant**

1. **Dike**
2. **Sill**
3. **Batholith**
4. **Xenolith**

Q 13:This type of Igneous Rock Body (see above) is Discordant

Q 14:This type of Igneous Rock Body is associated with melting of Country Rocks

Q 15.This igneous rock body will have Pegmatitic texture

**Q 16:This type of Volcano shows “gentle” eruptions and is present in Hawaii**

1. **Shield Volcano**
2. **Cinder Cone Volcano**
3. **Composite Volcano**

Q 17.This type of Volcano (see above) is associated with mostly pyro-clastics without

 without significant Flows

Q 18. This type of Volcano is a mixture of both ash and lava

**TRUE/FALSE [ Q 19 to 25]**

Q 19: Volcanic breccia are formed from broken rocks obtained from sides [flanks] of the

 volcanoes

Q. 20: Lahars are of pyro-clastic origin and include both ash and lava

Q. 21: The volcanic activity associated with Hawaii is an example of “Fissure

 Eruption”.

Q 22. Diamond & Graphite are an example of Polymorphism because they have similar

 internal structure but different composition

Q 23. Plutonic Rocks are also referred to as Intrusive Rocks

Q 24. Majority of Minerals show Ionic Bonding

Q 25. Minerals are defined as “Aggregate of Rocks”