



Answer the following questions

Physical Geology

IV- What is the difference between :

(2.5 marks each)

1. Solution caves & Solution seams stylolites
2. Divergent Boundary & transform boundary
3. Normal fault and Hinge fault..
4. Angular unconformities & Nonconformities.
5. Caldera & Maar volcano
6. Salt dome fold & Supratenous fold.
7. Conical volcano & Shield volcano.
8. Hydrologic cycle & rock cycle.

V- What is the relationship between :

(4 marks each)

1. Organic activity and weathering.
2. Parent rock & weathering'

VI- Write a short notes on the following :

(2 marks each)

1. Factors affecting the mechanical weathering rate. (just two factors).
2. Stalactites & stalagmites.
3. Forms of igneous intrusions.
4. Regolith (soil prophile).
5. Types of Ripple Marks.
6. Determination of epicentre of the Earthquakes.



Answer the following questions

Historical Geology

I- Write short notes on the following:

10 marks

1. Fundamental principles that helps determine "Relative Dating"
2. Criteria for recognizing unconformities

II- V- Fill in the vacant spaces

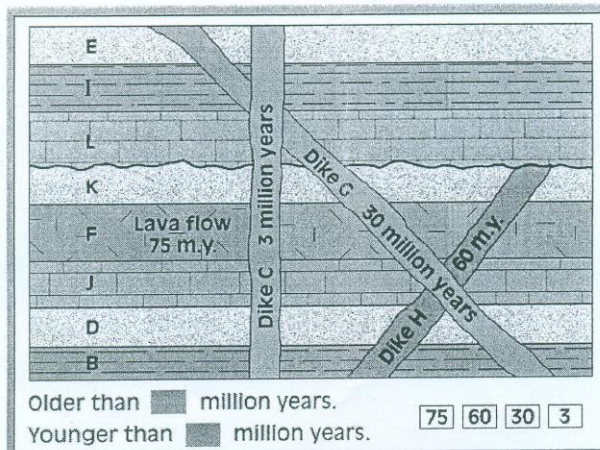
10 marks

1. The best and effective method of determining the age of the earth is.....
2. The modern human (Homo sapiens) evolved from..... and....., respectively.
3. A rock containing Apatite can be dated usingmethod, whereas a rock contains orthoclase and muscovite can be dated usingmethod
4. Archaeological monuments or ice age can be dated using method
5. Lead 206 is the stable daughter of radioactive parent
6. Nitrogen 14 is the stable daughter of radioactive parent
7. Sedimentary rocks can be dated only if a mineral like is present
8. Permian is the last period of Era

III- Answer the following miscellaneous questions

10 marks

1. Explain why radioactive isotopes don't tell much about the age of sedimentary rocks.
2. Write how many half-lives needed for decaying 75% of a radioactive parent to its analogous stable daughter
3. Which Era is flourished by "Reptiles", and in which Epoch "Humans" evolved
4. Compare between the Cro-Magnons – Homo sapiens and Neanderthals
5. From the available information in the sketch below: Determine the relative age of layer "K" in terms of Older than.....? And Younger than



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Kafrelshikh University
Faculty of Science. Geology
Department
Final exam. of First term



Introduction to Geophysics
(First Level)
Date: 17/1/2018
Time: 2 Hours., Degree= 70

Answer the following questions

Discuss briefly the following questions

1. Seismic method as one of the important geophysical prospecting method.
2. Principal electrode commonly used in Electrical method.
3. Different types of Earthquakes .
4. Distribution of Earthquakes around the world and in Egypt recently.
5. Radioactivity methods.
6. Magnetic field of the Earth and its components.
7. Isostasy of the Earth.
8. Locating your position using (GPS).
9. Magnetic Storms and its effect.

Best wishes