

Mansoura University
Faculty of Science
Botany Department
El-Mansoura, Egypt



جامعة المنصورة
كلية العلوم
قسم النبات
المنصورة - مصر

Final Examination in Botany
First Term: Jan. 2016

Educational Year: Fourth Level

Program (Branch): Environmental sciences

Subject: Bot (422)

Course: Waste management and environmental diseases

Time: 2 hrs

Date: 16/1/2016

Full mark: 60

Question mark: 20

Answer the following questions:

Q1: A- Discuss the following:

- Types of solid waste according to their sources. (6 M)
- Problems with leachate collection systems. (5 M)
- Environmental diseases and its types. (6 M)

D- Diagram the waste hierarchy. (3 M)

Q2: Write briefly on the following:-

(20 marks)

- Types of solid waste according to their sources.
- 3 L's of hazardous waste storage.
- Bottom liner.
- Impacts of waste on the climate.

Q3: A) - Complete the following:-

- ,-----,-----,----- are disposal methods for municipal solid waste. (2 M)
- regulates individuals who generate hazardous waste. (1 M)
- ,-----,-----,-----, are require for composting of garbage waste.(3 M)
- The main components of landfill are -----,-----,-----,-----.(2 M)
- F list includes -----, where K list includes-----.(4 M)

B) – Define each of the following: (8 M)

Hazardous waste according EPA – Waste management – Landfill –
Solid waste.

Examiners:

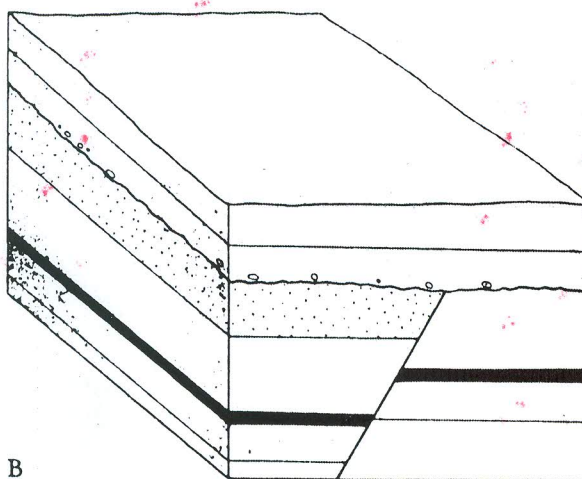
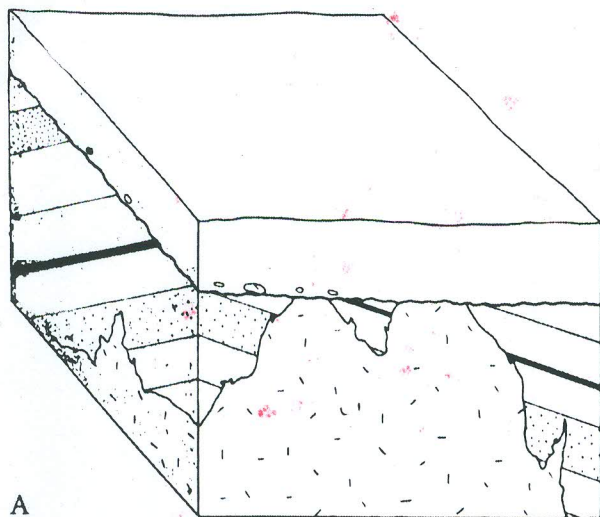
Dr. Ghada El-Sherbeny

Dr. Mohamed Abd El-Aal



Question-1:

In the given block diagrams, solve these problems according to the rules of relative dating.



Question-2:

Answer the following questions:

1. Which subdivision of geologic time represents the greatest length of time (era, period, epoch)?
2. Mention the main types of rocks, and identify only one characteristic criterion to each one of them.

Question-3:

Complete the following sentences:

1. The color of a mineral's powder is its(1).....
2.(2).....has a salty taste, which is a definite property of this mineral.
3. Magma that cools relatively slowly beneath the Earth's surface forms(3).....igneous rocks, whereas magma that crystallizes at or near the Earth's surface as lava forms(4).....igneous rocks.
4. The(5).....rocks are the most abundant group of rocks.

Question-4:

Draw the rock cycle (system):

Good Luck

Dr Haytham El Atfy