	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY		
	EXAMINATION FOR SENIOR (FOURTH YEAR) STUDENTS OF GEOLOGY		
	COURSE TITLE:	GEOLOGY OF EGYPT & PHOTOGEOLOGY	COURSE CODE: 14051
DATE:	21/ 1 / 2013	TOTAL ASSESSMENT MARKS: 60	TIME ALLOWED: 3 HOURS

### I- GEOLOGY OF EGYPT (2 Hours)

Write briefly on the following:

1. Paleozoic outcrops at Um Bogma area, southwestern Sinai. (8 marks)
2. Jurassic succession at Gebel Maghara, northern Sinai. (8 marks)
3. Stratigraphic succession of the Cretaceous / Tertiary contact at Gebel Duwi ,  
Quseir area. (8 marks)
4. Oligocene rocks in Egypt, their facies and paleogeography. (8 marks)
5. Distribution of Miocene rocks in Egypt and their paleogeography (8 marks)

### II- PHOTOGEOLOGY (1 Hour)

Write a brief account on the following:

- 1- Electromagnetic spectral regions involved in remote sensing. (4 marks)
- 2- Advantages and disadvantages of multispectral scanners over multiple cameras. (4 marks)
- 3- Compare between vertical and low oblique aerial photographs. (4 marks)
- 4- Effect of elevation of a point on its parallax. (4 marks)
- 5- Using stereoscopes in stereoscopic vision. (4 marks)

EXAMINERS	Prof. Abdel Monem T. Abel Hamed	Prof. Mahmoud H. Ashmawy
	Prof. Mohamed Kamal Salah	Dr. Shadia Taha Al-Khodary



TANTA UNIVERSITY  
FACULTY OF SCIENCE  
DEPARTMENT OF GEOLOGY

EXAMINATION FOR SOPHOMORES (FOURTH YEAR) STUDENTS OF GEOLOGY

COURSE TITLE:	Stratigraphical Micropaleontology and Mining Geology	COURSE CODE: 14052		
DATE:	13 JAN./2013	TERM: FIRST	TOTAL ASSESSMENT MARKS: 60	TIME ALLOWED: 3 HOURS

Part 1-Stratigraphical Micropaleontology

(40 Marks)

Answer the following questions: Illustrate your answers with clear drawings and give examples.


- 1-Bioevents at the Paleocene /Eocene (P/E) boundary.
- 2- Cretaceous/Paleogene (K/Pg) boundary layers.
- 3-Wall structure of Fusulinids.
- 4-Microfaunal characteristic groups of the Triassic and Jurassic Periods.

Part 2-Mining Geology

Write briefly on the following questions.

- 1-The materials for underground Support.
- 2-Types of explosives ,storage and transporting of explosives.
- 3-Mine drainage and Mine Ventilation.
- 4-Mine transport and vertical shafts.
- 5-Trenching,Benching,Boring and Blasting methods.

Best wishes

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR SENIOR (FOURTH YEAR) STUDENTS OF GEOLOGY			
	COURSE TITLE:	PETROLEUM GEOLOGY AND HYDROGEOLOGY		PAPER NO. 14054
DATE:	JAN, 2013	TERM: FIRST	TOTAL ASSESSMENT MARKS: 60	TIME ALLOWED: 3 HOURS

Answer the following questions (Sketch maps and diagrams should be drawn whenever possible) :

**Part I: PETROLEUM GEOLOGY** *(120 Minutes, Total Marks 40)*

**1- Give reasons on the followings :** *(12 marks)*

- a) Bacteria play a role in transformation of organic matters into petroleum .
- b) The Miocene section is oil productive in the Gulf of Suez.
- c) Different pressure forces in the earth cause oil migration.


**2- Write on the following subjects:** *(16 marks)*

- a) Conditions required for commercial oil accumulation.
- b) Factors affecting rocks porosities.
- c) Kerogen shales.
- d) i- Organic reservoir rocks  
ii- Asphaltite.

**3- Comment on the causes of the following :-** *(12 Marks)*

- a) Variance in the position of the pool of fold traps with depth.
- b) Some traps are from oil.

EXAMINERS	PROF.DR. NADER ELGENDY	DR. MOHAMED GAMAL ATAWIA
	DR SHADIA ABDELRAHEEM	DR. ZEINHM SALEM

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR SENIOR (FOURTH YEAR) STUDENTS OF GEOLOGY			
COURSE TITLE:	PETROLEUM GEOLOGY AND HYDROGEOLOGY		PAPER NO. 14054	
DATE:	JAN, 2013	TERM: FIRST	TOTAL ASSESSMENT MARKS: 60	TIME ALLOWED: 3 HOURS

Answer the following questions (Sketch maps and diagrams should be drawn whenever possible) :

**Part I: PETROLEUM GEOLOGY** *(120 Minutes, Total Marks 40)*

**1- Give reasons on the followings :** *(12 marks)*

- a) Bacteria play a role in transformation of organic matters into petroleum .
- b) The Miocene section is oil productive in the Gulf of Suez.
- c) Different pressure forces in the earth cause oil migration.

**2- Write on the following subjects:** *(16 marks)*

- a) Conditions required for commercial oil accumulation.
- b) Factors affecting rocks porosities.
- c) Kerogen shales.
- d) i- Organic reservoir rocks  
ii- Asphaltite.

**3- Comment on the causes of the following :-** *(12 Marks)*

- a) Variance in the position of the pool of fold traps with depth.
- b) Some traps are from oil.

EXAMINERS	PROF.DR. NADER ELGENDY	DR. MOHAMED GAMAL ATAWIA
	DR SHADIA ABDELRAHEEM	DR. ZEINHM SALEM

