	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
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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

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