


تمويز با

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR GEOPHYSICS STUDENTS (FOURTH LEVEL)			
	COURSE TITLE:	PETROLEUM GEOLOGY- 2		PAPER NO. GE 4209
DATE:	JUN, 2015	TERM: SECOND	TOTAL ASSESSMENT MARKS: 100	TIME : 2 HOURS

PETROLEUM GEOLOGY- 2
(120 Minutes, Total Marks 100)

Answer the following questions :

(Sketch maps and diagrams should be drawn whenever possible)

1-Give reasons:

(30 Marks)

- a- Some traps are free from oil.
- b- Sulfer is formed in the cap rocks of salt domes.
- c- Variance in the position of the pool of fold traps with depth.

2- Write on the following subjects:

(40 Marks)

- a- Hydrodynamic traps.
- b- Diapiric traps.
- c- Secondary stratigraphic traps.
- d- Fault traps.


3- Discuss the following subjects:

(30 Marks)

- a- Direction and time of oil migration.
- b- Lithostatic and hydroststic pressures.
- c- Source and cap rocks in the Gulf of Suez.

EXAMINERS	PROF.DR. NADER ELGENDY	DR. SHADIA ABD ELRAHEEM
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تاسو فرمايو

TANTA UNIVERSITY
FACULTY OF SCIENCE
DEPARTMENT OF GEOLOGY

EXAMINATION FOR SENIORS STUDENTS OF GEOPHYSICS

COURSE TITLE: Mining Geophysics COURSE CODE: GP4206

DATE: 6 /6/ 2015 JUNE, 2015 TERM: SECOND TOTAL ASSESSMENT MARKS: 100 TIME ALLOWED: 2 HOURS

Answer the following questions:

I) Write briefly on:-

(60 marks)

- 1) Degree of breakability
- 2) Lessening of ore deposits and its significances.
- 3) Excavation types
- 4) Mining cycle
- 5) Room and pillar mining method
- 6) Underground Mining Methods

II) Compared between:-

(20 marks)

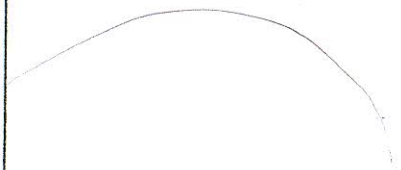
- a) Surface mining method and Underground mining method.
- b) Unsupported mining method and supported mining methods.

III) Drawn sketch of:

(20- marks)

- a) Solid mineral reserves
- b) Open-pit bench terminology

Examiners: Prof. Dr. Hassan Z. Harraz Prof. Dr. Mohamed Refaat EL Sway Soliman



محمد رفيع

Op 4204

TANTA UNIVERSITY FACULTY OF SCIENCE GEOLOGY DEPARTMENT			
FINAL EXAMINATION IN GEOPHYSICS; FOURTH LEVEL STUDENTS " SPECIAL GEOPHYSICS"			
COURSE TITLE / THEORETICAL EXAMINATION ON " INTEGRATED GEOPHYSICAL METHODS " CODE /			
DATE / 5 / . 2015	SEMESTER / 2	TOTAL ASSESSMENT MARKS: 100	TIME ALLOWED / 2 HOURS

ANSWER THE FOLLOWING QUESTIONS:

MARKS

1- Write the main characteristics of the following geophysical methods;

Gravity, magnetic, seismic and electrical resistivity methods. -----40

-Write about the ground penetrating radar (GPR) and its role in shallow


Exploration.-----30

3- Write the role of integrated geophysical methods in mineral

explorations.-----30

EXAMINOR : PROF./ MOHAMED REFAAT HAMMAD SOLIMAN

جيو فيزيكا

	TANTA UNIVERSITY		
	FACULTY OF SCIENCE		
	DEPARTMENT OF GEOLOGY		
	EXAMINATION FOR FOURTH YEAR GEOPHYSICS STUDENTS		
COURSE TITLE:	STRATIGRAPHY OF EGYPT		CODE: GP4232
DATE: JUNE, 2015	TERM: SECOND	TOTAL ASSESSMENT MARKS: 100	TIME ALLOWED: 2 HOURS

ANSWER THE FOLLOWING QUESTIONS:

a) Write briefly on (illustrate your answer with drawings):

1. Stratigraphy of the Cretaceous/Tertiary succession at the Kharga/Dakhla Oases, Western Desert. (30 Marks)
2. Lithostratigraphy of the Cretaceous in the Gulf of Suez region. (30 Marks)

b) Write short notes on:

1. Miocene Paleogeography. (10 Marks)
2. Tectonic framework of Egypt during the Paleozoic. (10 Marks)
3. Stable Shelf of Egypt. (10 Marks)
4. Oligocene facies and their distribution. (10 Marks)
5. Geologic significance of the Bahariya area. (10 Marks)

c) Describe briefly the following rock units in terms of: (20 Marks)
type locality, lithologic characters, geographic distribution, and age assignment:

- | | |
|----------------------------|------------------------|
| 1) Hammamat sediments | 2) Araba Formation |
| 3) Araif El-Naqa Formation | 4) Abu Nusra Formation |

d) Write briefly on: (20 Marks)

- 1) Maghara Formation
- 2) Um Bogma Formation
- 3) Main Phanerozoic basins in Egypt

Examiners:

Prof. A.T. Abdel-Hameed

Prof. Hamza Khalil

Prof. M. Faris

Dr. Gamal Abdel-Hakam

جامعة طنطا

TANTA UNIVERSITY
FACULTY OF SCIENCE
GEOLOGY DEPARTMENT

EXAMINATION FOR SENIORS (4TH YEAR) STUDENTS-GEOLOGY

COURSE TITLE:	SOIL MECHANICS	COURSE CODE: GP4202
DATE:	23 MAY, 2015	TERM: 2ND
	ASSESSMENT MARKS: 100	TIME ALLOWED: 2 HOURS

WRITE ONLY ON FIVE OUT OF THE FOLLOWINGS SUPPORTED WITH DRAWINGS WHEREVER POSSIBLE (20 MARKS EACH):

- 1- Components of the geotechnical report.
- 2- Problematic soils and their occurrences in Egypt
- 3- Triaxial compression and shear strength field tests of soils
- 4- Direct shear test
- 5- Laboratory and field compaction and their equipments
- 6- Soil classification systems
- 7- Phase relationships of soils
- 8- Mechanical properties of soils
- 9- Plasticity of fine-grained soils and clay activity

WARMEST WISHES WITH GREAT SUCCESS

EXAMINERS:	PROF. DR ALAA AHMED MASOUD	
	PROF. DR MOHAMED A. ABDEL-WAHED	

حيو فياد



Tanta UNIVERSITY
FACULTY OF SCIENCE
DEPARTMENT OF GEOLOGY

EXAMINATION FOR SENIORS STUDENTS OF GEOPHYSICS

COURSE TITLE:	PETROLEUM EVALUATION AND ECONOMICS	COURSE CODE:	GP4208	
DATE: 15 /6/ 2015	JUNE, 2015	TERM: SECOND	TOTAL ASSESSMENT MARKS: 150	TIME ALLOWED: 3 HOURS

Part I: PETROLEUM EVALUATION (90 Minutes, Total Marks 75)

Answer the following questions:

1) October oil field is one of the largest hydrocarbon-bearing fields in the northern part of the Gulf of Suez province. Explain the hydrocarbon potentialities of its oil field. (20 marks)


2) Complete the following statements: (25 marks)

- a) Oil fields in the Gulf of Suez were sourced from pre-rift succession that are typically and in placesand, or are composites of more than type.
- b) The oil fields in the Alamein Basin are,,, and Aghar fields. The gas fields in Matruh Basin are,, and fields.
- c) The geothermal gradient of Nile Delta Basin is, weighted average values ranging from to while the geothermal gradient of the Gulf of Suez is ranging from.....to
- d) The Nile Delta region includes different geologically exploration provinces which are:
(i)..... (ii).....(iii).....
- e) The first commercial discovery in the northern part of the Western Desert was oil field while in the Gulf of Suez was.....oil field.
- f) The main proven reservoirs of theBasin are Abu Madi sandstones covered by the regional seal of the shales. Formation is considered another sandstone reservoir.

3) Write a brief the following on: (30 marks)

- a) Types of Western Desert oil.
- b) Type of organic matter of Shushan basin.
- c) Reservoir rocks of the Abu El Gharadig Basin.

بقية الأسئلة في الخلف

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR GEOPHYSICS STUDENTS (FOURTH LEVEL)			
	COURSE TITLE:	PETROLEUM GEOLOGY- 2		PAPER NO. GE 4209
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PETROLEUM GEOLOGY- 2
(120 Minutes, Total Marks 100)

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