امتحانات الفصل الدراسى الاول للعام ٢٠١٧/٢٠١ المستوى الثاليث المستوى الثاليث جيوفيزياء

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TANCA UNIVERSITY VACULTY OF SCIENCE DEPAR IMENT OF GEOLOGY

EXAMINATION FOR THIRD LEVEL GEOPHYSICS STUDENTS

SEISMIC FIELD METHODS COURSE TITLE: TERM: FIRST TOTAL ASSESSMENT MARKS: 100 FIME ALLOWED: 2 HOURS

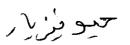
COURSE CODE GP3105

DATE:

9 JANUARY, 2017

Answer of the following questions:-				
Quarties 1. Discuss:-	(20 degree)			
1-Marine energy sources and sources using controlled charges of dynamites				
1-Marine energy sources and sources using conditions of the source of th	(20 20-3			
Question 2: Write about the followings: (Illustrate your unswer).				
a) Seismic waves.	(20 degree) (20 degree)			
b) Nonexplosive sources. Question 3: Put ($$) in front of the write sentence and (X) in front of				
Duestion 3: Put (1) in front of the write sentence and (x) in from o	(14 degree)			
antonce and correct the wrong one.	(1)			
4) Secondary waves are the fastest seismic waves				
B) Surface waves are not the most damaging seismic waves	()			
a Dun smita is an explosive seismic source	()			
The principle constituent of dynamite in laud prospecting is the introgrycular	()			
Electrical damping in geophones is preferred rather than viscous mechanical	()			
	y ()			
damping F Sensitivity of an electromagnetic geophone depends on the strength of magnet only F Sensitivity of an electromagnetic geophone depends on the strength of magnetic				
G All geophones currently used for seismic recording on land are of electromagnetic type)	()			
	(6 degree)			
Question 4: Choose the correct answer				
A) Seismic waves are important for				
1- Mapping the interior of the earth.				
2- Detection of contaminated aquifers.3- Finding prospective oil and natural gas locations.				
4- All the previous				
B) Sound is a Wave				
1- Longitudinal				
2- Secondary				
3- Surface				
4- Love				
C) Maxipulse is a seismic source used in				
1- Marine acquisition.				
2- Land acquisition.				
3- Seismogram.				
4- Accelograph WITH BEST MY WISHES				

DR. KHALED ABD ELLAH MAHMOUD OMAR **EXAMINER**





TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY



FINAL EXAMINATION FOR THIRD LEVEL (ALL SECTIONS)

COURSE TITLE:
JANUARY, 2017

SEDIMENTARY PETROLOGY

COURSE CODE:

GE 3107

17 TOTAL ASSESSMENT MARKS: 100

TIME ALLOWED:

2 HOURS

ANSWER THE FOLLOWING QUESTIONS:

- Mention the different types of depositional and post-depositional porosities in sedimentary rocks and the main factors affecting porosity. (15 Marks)
- 2. Write briefly on the following:

A) Grain-size analysis of sand-size clastic sediments.

(5 Marks)

B) Types of packing and grain contacts of particles.

(5 Marks)

- 3. "During transportation, water, wind and glacial ice affect the surface texture of particles, grain-shape, degree of sorting, as well as, the sphericity and roundness of grains" COMMENT?
 (15 Marks)
- 4. Write on the transportation processes of sedimentary rocks.

(15 Marks)

5. Explain both chemical and biological weathering processes.

(15 Marks)

- 6. Write shortly on the following (use drawings when possible):
 - A) A classification scheme for the different types of primary sedimentary structures.

(10 Marks)

B) The most common syn-depositional (intrabed) structures.

(20 Marks)

pS	Prof. A.T. Abdel-Hameed	Prof. A. El-Shishtawy	Dr. G. Mosa

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1969			TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY	
	EXAMINATION FOR JUNIORS (THRID YEAR) STUDENTS OF GEOPHYSICS			
	COURSE TITLE:	FIELD GEOLOGY AND FIELD STUDIES		COURSE CODE: GE 3111
DATE:	23 JANUARY, 2017	TERM: FIRST	TOTAL ASSESSMENT MARKS: 100	TIME ALLOWED: 2 HOURS

Answer the following questions, illustrating with drawing when it possible

1- Write in detail the three main components of the GPS system.

(20 marks)

- 2- How can you differentiate between the pyroclastic and metamorphic rocks in the field. (15 marks)
- 3- Explain how the traversing methods and geophysical aids can help the geologist in the geological mapping. (25 marks)
- **4-** One of the most objectives of the geologic report is to communicate your ideas and field observations to others. **Discuss** the basic parts of this report to achieve this objective. (20 marks)
- 5- Compare between the following:-

a- Sources of GPS errors and selective availability.

(10 m.arks)

b- Geographic coordinates and metric girds.

(10 marks)

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EXAMINERS	Prof. Mohamed Th. Heikal	Prof. M. Atef Noweir
	Prof. Mohamed Abd El-Wahed	Dr. Samir Z. Kamh

