

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR (LEVEL 2) PETROLIUM & MINING PROGRAM			
COURSE TITLE:	Stratigraphy		CODE: PMGE	
DATE:	MAY, 2018	SEMESTER: 2	TOTAL MARKS:100	TIME ALLOWED: 2 HOURS

**Answer the following questions (Illustrate your answer with drawing):**

**Question 1:**

**(25 Marks)**

Define and discuss:

- a- The law of faunal succession.
- b- Inclusion principle
- c- Angular unconformity

**Question 2:**

**(25 Marks)**

Write briefly on:

- a- Permian–Triassic extinction event.
- b- Four (4 only) physical evidence of correlation.
- c- Zombie effect.

**Question 3:**

**(25 Marks)**

a- What are the factors that control the dispersal and distribution of species of marine invertebrate organisms (Barriers to Dispersal)?

b- Discuss briefly the biostratigraphic Problems

**Question 4:**

**(25 Marks)**

Define and briefly discuss the following stratigraphic units:

- 1- Formation      2- Age and Stage      3- Total range zone      4- Abundance zone

**Best wishes**

Examiners	Prof. Dr. H. Khalil	Prof. Dr. A. Zalal
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DATE: MAY 2015	SEMESTER: 2	TOTAL MARKS: 100	TIME ALLOWED: 2 HOURS
COURSE TITLE: METEOROLOGY	COURSE PAGE: 1		

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Question 1:

Define and discuss:

- a- The law of faunal succession
- b- Inclusion principle
- c- Angular unconformity

Question 2:

Write briefly on:

- a- Permian-Triassic extinction event.
- b- Four (4 only) physical evidences of continental drift.
- c- Zonal effect.

Question 3:

a- What are the factors that control the dispersal and distribution of species of marine invertebrate organisms? (Factors in Dispersal)

b- Discuss briefly the biogeographic patterns.

Question 4:

Define and briefly discuss the following stratigraphic units:

- 1- Formation
- 2- Age and Stage
- 3- Total range zone
- 4- Abundance zone

Best wishes

Examiners	Prof. Dr. H. Khalil	Prof. Dr. A. Zalat
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TANTA UNIVERSITY  
FACULTY OF SCIENCE  
DEPARTMENT OF GEOLOGY

FINAL EXAMINATION FOR SECOND LEVEL STUDENTS OF GEOPHYSICS

COURSE TITLE:	PALAEOMAGNETIC METHODS		COURSE CODE:GP2210
DATE:	4 JUNE 2018	TERM: SECOND	TOTAL ASSESSMENT MARKS:150
			TIME ALLOWED: 2 HOURS

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

*Question 1: Write about the following:*

- a) Magnetic Domains. (20degree)*
- b) Theory of alternating-field demagnetization. (20 degree)*
- c) Geological application of paleomagnetism. (20 degree)*

*Question 2: Differentiate between the following*

*(40 degree)*

- a) Magnetic anisotropy meters and Low-field susceptibility meters.*
- b) Types of Secondary remnant magnetization.*
- c) Fields of paleomagnetism.*

*Question 3: Discuss: -*

*(30 degree)*

- a) Magnetic susceptibility and its anisotropy.*
- b) Paleomagnetic sampling.*
- c) The Konigsberger ratio for rocks.*

*Question 4: Define the following:*

*(20 degree)*

- 1) Absolute magnetic permeability.*
- 2) The fold test.*
- 3) Sun compass.*
- 4) Depositional remnant magnetization.*

*Good Luck*

EXAMINERS	Prof.:ABDELAZIZ L. ABDELDAYEM	Prof.: SHADIA T. ELKHODARY
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