







1909

TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY

FINAL EXAMINATION FOR THIRD LEVEL STUDENTS (GEOPHYSICS)

DATE: JUNE 2016 SPECIAL COURSE (MAGNETOSTRATIGRAPHY) COURSE CODE: GP 3208

TOTAL ASSESSMENT MARKS: 100 TIME ALLOWED: 2 hrs

Answer the fo	llowing questions
---------------	-------------------

(Illustrate your answers with drawings whenever possible)

1)	W	rite in detail on the following:			
	a)	Types of magnetization in relation to magnetostratigraphy.	(15 ו	ma	rks)
	b)	Methods of collecting oriented samples for a magnetostratigraphic study.	(15 ו	ma	rks)
2)	Di	scuss in brief each of the following:			
	а) Presentation of magnetostratigraphic data.	(15 ו	ma	rks)
	b) The Pliocene and Pleistocene magnetostratigraphIc nomenclature.	(15 ו	ma	rks)
	b) Construction of the Phanerozoic Geomagnetic Polarity Time Scale (GPTS).	(15 r	nar	ks)
	C) Uses of magnetostratigraphy in dating and correlation.	(15)	ma	rks)
3.	Re	ead each of the following statements and mark either ($^{ m V}$) if correct or (X) if wron	ıg: (10) m	arks
		Remanent magnetization can fossilize a record of the Earth's magnetic field		()
	b)	Paramagnetic minerals may carry a strong remanent magnetization.		()
	c)	The intensity of magnetic susceptibility can be used to track back the			
		transgression-regression (T-R) cycles throughout geologic times		()
	d)	Secular variations reflect the geomagnetic field variations that occur on a time se	cale		
		that ranges from a few years to millennia.		()
	e)	In a reverse polarity state the magnetic north pole lies close to the geographical			
		south pole.		()
	f)	In a magnetic polarity stratigraphic study, oriented samples must be collected		()
	g)	In an MSEC study, samples must be stepwisely demagnetized to isolate the prin	mary		
		magnetic records.		()
	h)	The most complete record of the reversal pattern of the geomagnetic field since			
		160 Ma is preserved in the continental crust.		()
	i)	Marine magnetic anomalies (isochrones) have been used as the main source			
		of information in the construction of the Paleozoic GPTS		()
	j)	The most precise part of the GPTS is that for the Early Mesozoic time span.		()

EXAMINERS	PROF. NADER H. EL-GENDY	PROF. ABDELAZIZ L. ABDELDAYEM	
	PROF HAMZA M. KHALIL	PROF SHADIA T. EL-KHODARY	



TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY

EXAMINATION FOR THIRD LEVEL GEOLOGY (Special)

COURSE TITLE: Structural Geology II COURSE CODE: GE3214

DATE: 5/6/2016 TOTAL ASSESSMENT MARKS: 100 TIME ALLOWED: 2 HOURS

A) Complete the	following sentences:	(15 marks)
	ne geometric arrangement of componer	nt features in a rock, seen on a scale
	clude many samples of each feature.	
	e wedge-shaped areas composed of les	s deformed matrix or of minerals that
	zed during deformation.	7.47 N
	are thin zones of very high shear strain v	
	e ductilely deformed rocks formed by th	e accumulation of large shear strain,
in ductile fault zon	nes. ticular porphyroclasts of muscovite and	hiotite in mylonitic rocks
3	ional polphyroclasis of museovite and	olotte in mylomete rocks.
B) Write short no	otes about the followings (with drawin	ng if present): (30 marks)
1- Types of shear		Control of the contro
2- Types of penetr		
3- Joints associate		4
		(15
C) Choose the co		(15 marks)
	are relatively large, single crystals in with of crystals. (i) Porphyroclasts (ii)	
	n by plowing of surface irregularities du	
	eation (ii) Groove lineations	
	ned by stretching, necking and eventually	
body surrounded	by a less competent matrix. (i) Boudina	age (ii) Mullions (iii) S-C fabrics
4displa	ay regular, repeated, fold-like forms, rar	iging in wavelength from centimeters
	Shear bands (ii) Mullions	
	aly deformed and fine-grained rock cont	
and less than 10 p	ercent relict grains. (i) Mylonite (ii) P	rotomy onite (iii) Ultramylonite
D) Put ($$ in fro	ont of the correct phrase and (X) in fi	ront of the wrong phrase with error
correction.	nt of the correct phrase and (22) in 2	(15 marks)
	neation is defined by the closely spaced	fold hinges of the microfolds in a
	k	
2- Rodding are d	efined by aligned subgrains oblique to	the long axis of larger individual
Individual Character Control	bons	10 M
	ed a shear fracture if its dimensions are	
	a prominent planar structure that may d	20 m He 12 전 15 15 15 15 15 15 15 15 15 15 15 15 15
	equent deformation and metamorphism	
	Il structure is a primary structure occurs	
expressed as a fai	nt linear grain on bedding surfaces	()
E) C		(25 marks)
- 100 Carlotte	ween the following (with drawing if pr	resent): (25 marks).
	type porphyroclasts. ontinuous foliation.	
3- Simple shear		
- Jampie Bildir		
EXAMINERS	Prof. Mohamed Abd El-Wahed	Prof. Mohamed Atef Noweir



كلية العلوم ـ جامعة طنطا

المادة: لفة عربية

كود المقرر : _ un1202

الشعبة : علوم طبيعية

امتحان الفصل المراسي الثاني

تاريخ الامتمان : ـ 12 / ٢٠١٦/٦م

الدرجة الكلية : _ (١٠٠ درجة)

اجب عما يأتي:

السؤال الأول : _

بلغ ابن المقفع منزلة رفيعة في منازل البلاغة العربية حتى عده معاصروه على رأس العشرة البلغاء لعصره ..

أ_ما الذي أهله لهذه المكانية العالية ؟

ب - حفظ لنا التاريخ بعض آثار ابن المقفع .. عرف تعريفا موجزا لكل منها ، ومثل لما تقول بإحدى نماذجه الأدبية

السؤال الثاني : ـ

من مسرحية مجنون ليلي : -التفت ابن عوف إلى المهدي وقال :_

أبا العامرية قلب الفتاة يقول وينطق عن نبله فأصغ له وترفق به ولا يسع ظلمك في قتله

أ- لم آثر ابن عوف أسلوب النداء ؟ وما السرفي اختياره لفظ الأبوة ؟

ب_ما علاقة البيت الثاني بالأول ؟ ويم يوحي لفظ " قتله " ؟

ج ـ يفصح البيتان عن رغبة ابن عوف في تحقيق مسعاه .. وضح ذلك .

السؤال الثالث: _

أ ـ من فنون اللغة العربية المقال حيث عرفه النقاد العرب والغرب بشكل يحدد عناصره ، ويوضح أفكاره ، وتكشف عن سماته ، اذكر ذلك مستخلصا تعريف المقال من التعاريف السابقة .

ب ـ يقوم المقال الفني على عناصر تكون إطاره وهيكله العام .. ما هي ؟ موضحا الخطم التي يتألف منها المقال .

جــ اكتب ما تعرفه عما يأتي مستشهدا لما تقول :_

- المقال الذاتي - المقال الوصفي - المقال الانطباعي - المقال النقدي - المقال الفلسفي - المقال الصحفي .

السؤال الرابع: _

اضبط الكلمات الأتية ضبطا صحيحا :-

الملاءة - الملنخوليا - المهرجان - المنجد - النحاس - المنخل - النعناع - النغمة - الأضحية - الثغرة - المنبر - المناخ - الشباك - المعدن - النسناس .

· # 111

و ۲۵ درجة ﴾

المستوى : . الأول

الزمين: _ ساعتان

﴿ ٢٥ درجة ﴾

﴿ ٢٥ درجة ﴾

﴿ ٢٥ درجة ﴾

حيولوحيا

	:-	122	TANTA UNIVERSITY	
AS.	DEPARTMENT OF GEOLOGY EXAMINATION FOR FIRST LEVEL STUDENTS OF GEOLOGY			
1969	COURSE TITLE:	Final Exam of Earth's Materials		COURSE CODE: GE1202
DATE:	JUNE. 2016	TERM: SECOND	TOTAL ASSESSMENT MARKS:100	TIME ALLOWED: 2 HOURS

Part One: Crystallography (35 marks)

Answer the following questions: Illustrate your answer with drawing whenever possible:

1- What is meant by: (10 marks)

a. General Form

b. Holosymmetrical Class

c. Symmetry Formula

d. Axinite Type

- 2- Write true or false on the following statements and correct the false one: (10 marks)
- a- Cubic system has the highest rank of crystal symmetry.
- b- Solid angle and axial angle are the same at any crystal form.
- c- All natural minerals crystallize, forming well-developed crystal faces.
- d- Triclinic system has three equal crystallographic axes.
- e- Zircon mineral is pertaining to monoclinic system.
- 3- Discriminate between the Holosymmetrical classes of cubic and monoclinic systems on the basis of: crystal elements, crystal symmetry and law of symmetry. (15 marks)

Part Two: Mineralogy

 Write briefly on the cohesive properties of minerals (hardness, cleavage, parting, fractures and tenacity). (20 marks)

Part three: Rocks

- -Write short notes on the following, Illustrate your answer with drawing: (45 marks)
- 1. Classification of sedimentary rocks.

		*	TANTA UNIVERSITY	Server and the server of the s	
	FACULTY OF SCIENCE				
	DEPARTMENT OF GEOLOGY EXAMINATION FOR FIRST LEVEL STUDENTS OF GEOLOGY				
1969	COURSE TITLE:	RSE TITLE: Final Exam of Earth's Materials		COURSE CODE: GE1202	
DATE:	JUNE. 2016	TERM: SECOND	TOTAL ASSESSMENT MARKS:100	TIME ALLOWED: 2 HOURS	

Part One: Crystallography (35 marks)

Answer the following questions: Illustrate your answer with drawing whenever possible:

1- What is meant by: (10 marks)

a. General Form

b. Holosymmetrical Class

c. Symmetry Formula

d. Axinite Type

- 2- Write true or false on the following statements and correct the false one: (10 marks)
- a- Cubic system has the highest rank of crystal symmetry.
- b- Solid angle and axial angle are the same at any crystal form.
- c- All natural minerals crystallize, forming well-developed crystal faces.
- d- Triclinic system has three equal crystallographic axes.
- e- Zircon mineral is pertaining to monoclinic system.
- 3- Discriminate between the Holosymmetrical classes of cubic and monoclinic systems on the basis of: crystal elements, crystal symmetry and law of symmetry. (15 marks)

Part Two: Mineralogy

 Write briefly on the cohesive properties of minerals (hardness, cleavage, parting, fractures and tenacity). (20 marks)

Part three: Rocks

- -Write short notes on the following, Illustrate your answer with drawing: (45 marks)
- 1. Classification of sedimentary rocks.

TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY EXAMINATION FOR FIRST LEVEL STUDENTS OF GEOLOGY Final Exam of Earth's Materials COURSE TITLE: DATE: JUNE. 2016 TERM: SECOND TOTAL ASSESSMENT MARKS:100 TIME ALLOWED: 2 HOURS

Part One: Crystallography (35 marks)

Answer the following questions: Illustrate your answer with drawing whenever possible:

1- What is meant by: (10 marks)

a. General Form

b. Holosymmetrical Class

c. Symmetry Formula

d. Axinite Type

- 2- Write true or false on the following statements and correct the false one: (10 marks)
- a- Cubic system has the highest rank of crystal symmetry.
- b- Solid angle and axial angle are the same at any crystal form.
- c- All natural minerals crystallize, forming well-developed crystal faces.
- d- Triclinic system has three equal crystallographic axes.
- e- Zircon mineral is pertaining to monoclinic system.
- 3- Discriminate between the Holosymmetrical classes of cubic and monoclinic systems on the basis of: crystal elements, crystal symmetry and law of symmetry. (15 marks)

Part Two: Mineralogy

 Write briefly on the cohesive properties of minerals (hardness, cleavage, parting, fractures and tenacity). (20 marks)

Part three: Rocks

-Write short notes on the following, Illustrate your answer with drawing: (45 marks)

1. Classification of sedimentary rocks.

- 2. Bedding, graded-bedding and ripple marks.
- 3. Textures of sedimentary rocks.
- 4. Concordant and discordant of igneous rocks, Illustrate your answer with drawing.
- 5. Porphyritic, poikilitic, intersertal and glassy textures.
- 6. Types of metamorphic facies.
- 7. Write briefly on regional and contact metamorphism.

Examiners:

Prof. Ibrahim Salem Prof. Mohamed Th.S. Heikal