1969	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR SECOND LEVEL STUDENTS OF (GEOLOGY) - (GEOPHYSICS) – (GEOLOGY-CHEMISTRY)			
	COURSE TITLE:	MICROPALEONTOLOGY (1)		COURSE CODE: GE 2109
DATE:	JANUAR, 2016	TERM: FIRST	TOTAL ASSESSMENT MARKS: 100	TIME ALLOWED: 2 HOURS

1) Write short notes <u>on Five</u> of the following questions. Illustrate your answers with clear drawings and give examples:

A. Mixed chambers arrangement of test. (<u>Five only</u>) (10 Marks)

B. Shape of the apertures in Foraminifera (<u>Five only</u>) (10 Marks)

C. Mode of coiling in foraminifera (10 Marks)

D. Sutures in Foraminifera. (10 Marks)

E. Dimorphism in Foraminifera. (10 Marks)

F. Application of Foraminifera (10 Marks)

<u>2) Give Examples:</u> (15 Marks)

A. Biumbonate test.

B. Surface ornamentation.

C. Lobulate periphery.

3) Explain in details the factors controlling the distribution of foraminifera. (20 Marks)

<u>4) Choose the correct answer of the following questions:</u> (15 Marks)

1. Microfossils are generally excellent indicators of
   a) Tectonics b) Earthquake c) paleoecology d) Paleogeography

2. Foraminifera is
   a) Unicellular animal b) Unicellular plant c) Multicellular animal d) Multicellular plant

3. Agglutinated foraminiferal test is formed of
   a) Calcareous wall b) Siliceous wall c) Chitineous Walls d) coarse/fine cemented particles

4. Porcelaneous foraminiferal test is:
   a) Perforate b) semiperforate c) imperforate d) non-perforate

5. Unilocular foraminiferal test is
   a) septate b) non septate c) simply septate d) limbate

Best wishes

Examiners	Prof. Mahmoud Faris Mohamed	Prof. Abdelfattah Ali Zalat
	Prof. Akmal Marzouk	

TANTA UNIVERSITY
FACULTY OF SCIENCE
DEPARTMENT OF GEOLOGY

EXAMINATION FOR LEVELTWO STUDENTS OF PETROLEUM AND MINING GEOLOGY PROGRAM

	COURSE TITLE:	STRUCTURAL GEOLOGY		COURSE CODE: PMGP 2103
DATE:	27 DEC., 2017	TERM: FIRST	TOTAL ASSESSMENT MARKS: 180	TIME ALLOWED: 2 HOURS

I- **Complete** the following:- **(30 marks)**

1- The hinge point coincides on the trough point in case of:.....

2- The orientation of a planar structure is measured in terms of: ..... and .....

3- Non-plunging fold has horizontal ..... and vertical .....

4- Folds are considered to be open, if they display interlimb angles ranging from:.....

5- The trend of North Sinai Fold Belt is: .....

6- ..... mode of foliation that occurs in certain metamorphic rocks as a consequence of the parallel alignment of platy and lath-shaped mineral constituents.

7- Disjunctive foliation includes (a)..... (b).....
(c)..... (d).....

8- ..... highly deformed and fine-grained rock containing more than 90 percent matrix and less than 10 percent relict grains.

9- ..... joints that share a similar orientation in same area.

10- When erosion removes most of the overlying thrusted block, leaving only island-like remnants resting on the lower block, the remnants are called .....

II- Put (√) in front of the correct phrase and (X) in front of the wrong phrase with error correction. **(15 marks)**

1- A listric fault in which the fault plane is curved and the dip of the fault plane becomes shallower with increased depth.....( )

2- The heave of the fault is the vertical component of the dip separation .....( )

3- Continuous foliation cut all the rock and the fabric elements are homogeneously distributed, to the scale of grain individual minerals.....( )

4- Cleavage is a secondary fabric element, formed under low-temperature conditions, that imparts to the rock a tendency to split along planes.....( )

5- Flats are regions on thrust faults where stratigraphy is truncated at relatively steep angles.....( )

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	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR SECOND YEAR STUDENTS OF GEOPHYSICS			
	COURSE TITLE	OPTICAL MINERALOGY		COURSE CODE: GE 2105
DATE:	JANURY 2018	TERM: FIRST	TOTAL ASSESSMENT MARKS :100	TIME ALLOWED:2 HOURS

Answer the following questions, illustrating your answers with diagrams if it possible:

1-Write short notes on the following:

a –Two methods of light polarization---------- -(10 marks)

b- Mechanism of interference figure formation----------(10 marks)

c- Anisotropic minerals----------(10 marks)

d- Interference colours and their orders in anisotropic mnerals----------(10 marks)

2-Discriminate between the following:

a- Interference figures of uniaxial and biaxial minerals---------- (10 marks)

b- Twinkling and pleochroism---------- ---------- (8 marks)

c- Retardation and birefringnce---------- -(6 marks)

e- Extinction and twinning in anisotropic minerals---------- ---- --(10 marks)

Best wishes

Examiner:
Prof. Gaafar A El Bahariya

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR SECOND YEAR STUDENTS OF GEOPHYSICS			
	COURSE TITLE	OPTICAL MINERALOGY		COURSE CODE: GE 2105
DATE:	JANURY 2018	TERM: FIRST	TOTAL ASSESSMENT MARKS :100	TIME ALLOWED:2 HOURS

Answer the following questions, illustrating your answers with diagrams if it possible:

1-Write short notes on the following:

a –Two methods of light polarization---------- -(10 marks)

b- Mechanism of interference figure formation----------(10 marks)

c- Anisotropic minerals----------(10 marks)

d- Interference colours and their orders in anisotropic mnerals----------(10 marks)

2-Discriminate between the following:

a- Interference figures of uniaxial and biaxial minerals---------- (10 marks)

b- Twinkling and pleochroism---------- ---------- (8 marks)

c- Retardation and birefringnce---------- -(6 marks)

e- Extinction and twinning in anisotropic minerals---------- ---- --(10 marks)

Best wishes

Examiner:
Prof. Gaafar A El Bahariya

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جامعة طنطا-كلية العلوم-قسم الجيولوجيا		
الامتحان النهائي لمقرر ثقافة الجودة طلاب الفرقة الثانية شعبة بترول وتعدين		
الزمن المتاح (ساعتان)	50 درجة	يناير 2018

السؤال الأول: قارن بين كلا من :-.....(20 درجة)

1- تحليل السوات (SWOT) وتحليل الفجوة (Gap).

2- المؤسسات الذكية (SMART) وتلك غير الذكية (not SMART) عند وضع أهدافها.

3- وحدة الارشاد الأكاديمي ووحدة متابعة الخريجين بمؤسسات التعليم العالي.

4- المخرجات/العوائد ومؤشرات النجاح

5- مبدأ (اربح وربح) ومبدأ (التعاون الخلاق) لستيفن كوفي.

السؤال الثاني: .....(10 درجات).

قم بإعداد خطة تنفيذية لقطاع الغازات السائلة بشركة تكرير البترول التي تعمل بها لتحقيق إحدى أهدافها بزيادة الانتاج من الغازات السائلة بنسبة 20% خلال ثلاث سنوات.

السؤال الثالث: أذكر العبارات الصحيحة والخاطئة مع تصحيح الخطأ وذكر سبب صحة العبارة من عدمها .....(20 درجة).

1- تعتبر الإنابة وتوزيع الأدوار لدى فريق العمل جزءا هاما من إدارة الوقت وتحقيقا لنظام إدارة الجودة الشاملة بالمؤسسة.

2- من الضروري ان تشتمل مخرجات التعليم المستهدفة (Intended Learning Outcomes-ILOs) لكل المقررات الدراسية على المهارات العملية والحرفية (Professional and Practical Skills).

3- تنظيم ملتقيات للتوظيف في مؤسسات التعليم العالي لا تعد من الممارسات الأساسية لتحقيق جودتها.

4- دخول منافسين جدد من جامعات خاصة للجامعات الحكومية تعد أحد الفرص التي يجب اقتناصها عند وضع الخطة الاستراتيجية للجامعات الحكومية.

5- استبيان المجتمع والجهات المستفيدة لمواصفات الخريج والبرامج التعليمية من الممارسات الهامة لتحقيق رسالة الكلية.

6- من اهم المنافع التي تعود على الافراد عند تحديد رسالتهم هو التقليل من فرص الجهود الضائعة ومنع استنزاف الموارد واستغلالها بطريقة رشيدة.

7- عند قيام الهيئة القومية لضمان جودة التعليم والاعتماد باعتماد المؤسسات التعليمية فأنها تمنحها شهادات الأيزو ISO

8- يعد كثرة العاملين في شركة الوادي للتعدين بمنطقة الشلاتين أحد نقاط قوتها.

9- تحليل PEST أحد الأنشطة اللازمة لتحديد نقاط القوة والضعف لاحد الجمعيات العاملة في مجال حماية البيئة بمحافظة الغربية.

10-يمكن ان يشترك أكثر من نشاط بالخطة التنفيذية في فترات التنفيذ.

مع أطيب التمنيات بالتوفيق

/ د. محمد حمدي

TANTA UNIVERSITY
FACULTY OF SCIENC
CHEMISTRY DEPARTMENT

FINAL EXAM FOR 2nd LEVEL STUDENTS (ALL SECTIONS)			
COURSE TITLE	CHEMISTRY OF THE MAIN GROUP ELEMENTS		TIME ALLOWED 2 H
CODE	CH2107		
DATE: JAN 3, 2017	TERM: FIRST	TOTAL ASSESSMENT MARKS	100

[I]. Give reasons for the following. (20 Marks)

1- Water has abnormal low volatility and the stability of hydrides decreases down group VI
2- Silanes are strong reducing agents, but alkanes are chemically unreactive.
3- Li and group II metals form nitrides on heating in air
4- PCl_5 is known but PH_5 is not.

[II]. Draw and explain the structure of the following: (20 Marks)

1- Phosphorus trioxide and pentaoxide
2- Orthoborates and metaborates
3- Beryllium halides and hydrides
4- Diborane
5- Silicones

[III]. Rank "FOUR ONLY" of the following series from high to low according to the given criteria and explain reasons: (20 Marks)

1- $NaCl, MgCl_2, AlCl_3$ (Polarization and polarizability)
2- NH_3, PH_3, AsH_3 (Donor properties and stability)
3- HF, HCl, HBr, HI (Acidity Strength)
4- BF_3, BCl_3, BBr_3 (Lewis acid strength)
5- Li, K , Cs (Reaction with water)

[IV]. Compare between the following: (20 Marks)

1- Trimethylamine and trisilyamine in structure and donor properties.
2- Group I and II elements in softness.
3- Diamond and Graphite.
4- SO_3, SO_2 and SeO_2

[V]. Choose the correct answer "FIFTEEN ONLY" with REASON: (20 Marks)

1- In which of the following compounds, nitrogen exhibits lowest oxidation state?
a- $H NO_3$ b- N_2H_4 c-N_2 d- NH_2OH e- NH_3

2- Which of the following contains P - O - P bond?
a- Tripolyphosphoric acid c- Hypophosphorous acid
b- Pyrophosphoric acid d- a and b

3- Which of the following compound is ionic?
a- PCl_5 b- CCl_4 c- PbF_4 d- $PbBr_4$

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1969	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR SOPHOMORES (SECOND YEAR) STUDENTS			
	COURSE TITLE:	PRINCIPLES OF STRATIGRAPHY		COURSE CODE: GE2107
DATE:	16 JAN., 2018	TERM: FIRST	TOTAL ASSESSMENT MARKS: 100	TIME ALLOWED: 2 HOURS

Answer the following questions.

I- Complete the following sentences: (20 marks)

1- Stratigraphy is .....
2- Lithostratigraphy is .....
3- The periods of Cenozoic era are ....., ...
4- Non-conformable surface separates between.....and .....
5- The preset is the key .....

II- Discuss in details with drawing the conformable boundaries. (20 marks)

III- Explain the following principles with drawing: (30 marks)

a- Principle original horizontality.
b- The law of superposition.
c- Principle of Cross-Cutting Relationships.
d- Walther's Law of Facies Succession.

IV- Write notes about the followings with drawing: (30 marks)

a- Strata and stratification.
b- Outcrop stratigraphic procedures.

EXAMINERS	PROF. H.M. KHALIL DR. M.S. FATHY	*WITH BEST REGARDS*

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR GRADE TWO STUDENTS OF SPECIAL GEOLOGY			
	COURSE TITLE:	Structural Mineralogy		CODE: GE 2103
DATE:	JAN, 2018	SEMESTER: FIRST	TOTAL ASSESSMENT MARKS: 100	TIME ALLOWED: 2 HOURS

I. Write short notes on the followings; illustrate your answers with diagrams whenever possible: (60 Mark)

1- The unit cell types of true metals. (10 Marks)

2- The structure of sulphur . (10 Marks)

3- The bases of the structural classification of ionic minerals. (10 Marks)

4- The unit cell of trigonal system. (10 Marks)

5- The structure of single chain inosilicates. (10 Marks)

6- The structure of rutile. (10 Marks)

II. Define: (20 Marks)

1- Incrustation.

2- Solid solution

3- Diadochic

4- Isomorphism

5- Heterodesmic

III. Complete the followings: (20 Marks)

1- The difference between calcite structure and aragonite structure.....

2- Coordination number of aluminum .....

3- Polymorphism of SiO_2 .....

4- The number of oxygen shared in the phyllosilicates .....

EXAMINERS	PROF. SAMIR M. ALY	PROF. ABDEL SALAM M. RASHAD
	PROF. GAAFAR A. EL BAHRIYA	PROF. MOHAMED M. ABU ANBAR