


5 - صوفى

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY		
	EXAMINATION OF FOURTH LEVEL GEOPHYSICS STUDENTS		
COURSE TITLE:	SEISMIC STRATIGRAPHY		COURSE CODE: GP4105
DATE: DECEMBER 27, 2017	TERM: FIRST	TOTAL ASSESSMENT MARKS: 150	TIME ALLOWED: 2 HOURS

Answer the following questions (Illustrate your answers with clear drawings).

1. Mention all seismic reflection parameters commonly used in seismic stratigraphy and their geologic significance. (15 degree)

2. Write short notes on the following:- (30 degree)

- a. External geometry of seismic facies units.
- b. Internal reflection configuration.

3. Discuss each of the following:- (30 degree)

- a. Seismic stratigraphic terminology.
- b. Synthetic seismograms.
- c. Types of unconformities.

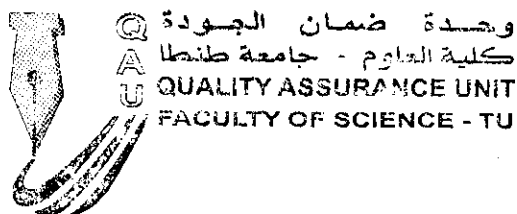
4- Explain with drawing the different types of systems tracts 25 degree


5- Compare between the following 20 degree
LNR and HNR
MFS and MRS

6-Discuss in details with drawing the follows 30 degree

- a- Depositional Sequence
- b- Shoreline trajectories in downstream -controlled settings

EXAMINERS	PROF. ABDELMONEIM TAWFIK	DR. MOATAZ BARAKAT
	PROF. MAHMOUD FARES	DR. MOHAMED SOBHEY



	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	FOURTH LEVEL STUDENTS "GEOPHYSICS" EXAM			
	COURSE TITLE:	ENVIRONMENTAL & ENGINEERING GEOPHYSICS		COURSE CODE: GP4103
DATE:	30 DEC. 2017	TERM: 1st	TOTAL ASSESSMENT MARKS: 150	TIME: 2HOURS

I- Answer the following question:


- 1- Explain the role of gravity and magnetic methods in the environmental and Engineering Projects. (25 Marks)
- 2- What are the applications of gravity and magnetic methods in surface and subsurface investigations? (25 Marks)

II- WRITE ON FOUR OF THE FOLLOWINGS:

- 3- Advantages & Disadvantages of the Ground Penetrating Radar (GPR) method and its engineering/environmental applications. (25 Marks)
- 4- Radon environmental applications. (25 Marks)
- 5- Resistivity & Induced Polarization techniques and their environmental applications. (25 Marks)
- 6- Self-potential method. (25 Marks)
- 7- Explain in details four of the studied thirteen applications in environmental and engineering geophysics using integrated techniques. (25 Marks)

EXAMINERS: Prof Dr Alaa A. Masoud & Prof Dr Mohamed R. Soliman

BEST WISHES

	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR FOURTH LEVEL STUDENTS			
COURSE TITLE:	PETROLEUM GEOLOGY -1		CODE NO. GE 4109	
DATE:	JANUARY , 2018	FIRST TERM	TOTAL ASSESSMENT MARKS: 100	TIME : 2 HOURS

1- Give reasons on the followings : (30 marks)

- a) The Electron Spin Resonance technique is used for source rock evaluation.
- b) The rock textures affect the characters of porosity and permeability.
- c) Some reservoirs show minor oil occurrence.

2- Discuss the following subjects: (30 marks)

- a) Mechanical properties of oils.
- b) Porosity stimulation.

3- Compare between the followings : (10 marks)

- a) Asphalt and kerogen.
- b) Gasoline and disel.
- c) Gas pool and oil field.

4- Complete the following : (10 marks)

- a) Petroleum is defined chemically as.....
- b) Chemical equation of biological fermentation is written as

5- Give an account on the followings. (20 marks)


- a) Classification of chemical reservoir rocks according to sedimentary textures.
- b) Factors affecting the characters of fragmental reservoir rocks.

EXAMINERS	PROF.DR. NADER ELGENDY	DR. SHADIA ABDELRAHEEM
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	TANTA UNIVERSITY FACULTY OF SCIENCE DEPARTMENT OF GEOLOGY			
	EXAMINATION FOR 4 TH LEVEL STUDENTS - GEOPHYSICS			
COURSE TITLE:	RESERVOIR CORRELATION & PRODUCTION	GE 4107		
DATE :	JANUARY, 2018	TERM: FIRST	TOTAL ASSESSMENT MARKS: 100	TIME ALLOWED: 2 HOURS

Answer the following questions:

1- Discuss the following subjects: (30 marks)

- a) Secondary recovery in petroleum production.
- b) Jet perforation of reservoirs and multi-completion.
- c) Dissolved gas drive mechanism.

2- Write on the following items: (30 marks)

- a) Response characteristics of self potential and resistivity logs.
- b) Measurement principles of dip logging tool and Schmidt plot.
- c) Extract reservoir geometry from logs.

3- Write short notes on:

- a) How to perform a Facies analysis. (10 marks)
- b) What are the basis of correlation and what types of data are used for correlation? (10 marks)

4- Discuss briefly the different types of Delta and what are the main processes influencing delta depositional systems? (20 marks)

EXAMINERS	PROF. DR/ NADER ELGENDY	PROF. DR/ AHMED EL SHEISHTAWY
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TANTA UNIVERSITY
FACULTY OF SCIENCE
DEPARTMENT OF ZOOLOGY

EXAMINATION FOR LEVEL FOUR SPECIAL ZOOLOGY STUDENTS

COURSE TITLE:

HISTOCHEMISTRY

150

COURSE CODE: 4141

DATE: DECEMBER, 2017

TERM: FIRST

TOTAL ASSESSMENT MARKS: 100

TIME ALLOWED: 2 Hours

I-Answer the following questions: (75 marks)

A-Write short account in three only: (20 marks)

1. Melanin formation and different factors affecting the intensity of its production.
2. Destruction of the hemoglobin molecules.
3. The triglycerides and their significances in body tissues.
4. The cholesterol esters and their significances in body tissues.
5. Periodic Acid Schiff's method for carbohydrates demonstration.

B- Complete the following: (30 marks)

1. There are many factors affect tissues glycogen content as
2. Sphingolipids comprise that are similar in and differ in
3. Lecithins has important role in..... while bile acids play a role in
4. Lipofuscin pigments are mostly occur in cells. They are often associated with..... and seen more frequently in.....age, Therefore , they are called wear and tear pigments.
5. Globin part of the hemoglobin molecules help in
6. Many of the tissue components have strong ability to reduce silver nitrate solution such as
7. Neutral fats and waxes considered as lipids, they differ from each other's in
8. Phospholipids include some of them are insoluble in acetone such asand.....
9. Specificity of staining methods for carbohydrates detection is improved byand... Give examples
10. Hyaluronic acid is and characterized by It is widely found in and acts as.....
11. Hemosiderin is formed and deposited within the phagocytes as golden-brown granules, it is detected by method which depends on.....
12. stain has a strong affinity for acid mucopolysaccharides and gives color. The method depends on and, while is a good method to differentiate between acid and neutral mucopolysaccharides.
13. Ascorbic acid play an important role in while heparin consider as.....



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DEPARTMENT OF ZOOLOGY

EXAMINATION FOR LEVEL FOUR SPECIAL ZOOLOGY STUDENTS

COURSE TITLE: **HISTOCHEMISTRY** ¹⁵⁰ COURSE CODE: 4141 ^{4/01}

DATE: DECEMBER, 2017 TERM: FIRST TOTAL ASSESSMENT MARKS: 100 TIME ALLOWED: 2 Hours

1-Answer the following questions: (75 marks)

A-Write short account in three only: (20 marks) ³⁰

1. Melanin formation and different factors affecting the intensity of its production.
2. Destruction of the heamoglobin molecules.
3. The triglycerides and their significances in body tissues.
4. The cholesterol esters and their significances in body tissues.
5. Periodic Acid Schiff's method for carbohydrates demonstration.

B- Complete the following: (30 marks) ⁽⁴⁵⁾

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