الزمن: ساعتان ٣ يونيــــ ٢٠٢٤ الاجابة في ورقة اليابل





امتحان نهاية الفصل الدراسي لجميع المستويات المقرر: أخلاقيات المهنة والسلامة المهنية

رقم القرر ورمزه: F300

(۳۰ درجة)	رة الخاطئة لما يأتي:	السؤال الاول: في ورقة البابل ظلل (T) للعبارة الصحيحة أو ظلل (F) للعبار
م دفع عجلة التنمية الاقتصادية	١١. يؤدي النهوض باللكية الفكرية ا	المنياق الأخلافي: مجموعة من القيم التي تسعى المؤسسة للالتزام بها اثناء العمل.
يث العلم	١٢- الخبرة والسلامة من أخلاقيات الب	ألمس مبادي وأخلافيات مهنه التعليم الثقة والاحتزام المتبادل
	١٢- أن تضيء شمعة صغيرة خير لك م	٣- اعسرف اكثر عن علامات السلامة المهنية فهي لغة عالميسة
نظم اتحسيد الأداء الدناء	١٤ احرص على التدريب فهو نشاط م	2 التخلص من مخلفات المعامل يكون بالحرق الآمن ودفن الرماد في مدفن أمن
ـــــــــــــــــــــــــــــــــــــ	١٥ الالتناه بالأخلاقيات بقده الساء	٥. التقرير هو عرض كتابي او شفوي مركز لموضوع معين يقدمه فرد او مجموعه
»، والاستخام بالسلامة يحمي الحياد. مات اخذا الخاط المادة	اللقاء عن شقالهند المناه	Code of Ethics . 1 تعنى اخلاقيات المهنة والسلامة المهنية
بررات إفساء الاسرار الحديرية	١٦- الدفاع عن شرف المهنة ليس من م	٧- احرص على الجودة في عملك فالجودة لها سقف
يعني ممنوع	١٧ اللون الازرق في العلامات الارشادية	٨. يعد سرقة علمية استخدم افكار من موقع على الانترنت والاشارة اليه
ماجنه لقوى الطبيعة أو الانسان	١٨. تعرف الكوارث بأنها حوادث غير ما	٩ معرفة علامات السلامة المهنية من المهارات المهنية المكتسبة للمقرر
امدين	 ١٩ـ عند حدوث الزلزال يجب تدريب الع ٢٠ الفاحأة والإضطرار والانتهائية المناخ 	١٠ ضرورة استخدام معدات الوقاية والسلامة الشخصية بعد العمل.
عمن سمات الطواري والارمات	٢٠ المفاجأة و الاضطراب والارتباك ليسن	













بيولوجية







التدخين الة حادة



۲۱. حریق

(۲۰ درحات)

الغطس

السؤال الثاني: في ورقة البابل ظلل حرف A او B او C او D للإجابة الصحيحة:

٣١ مقرر اخلاقيات المهنة Scientific Ethics يتناول اخلاقيات مهنة (A-العلميين -Bالاطباء-Cالمهندسين -B كل ما سبق)

٣٣ من اساسيات تجهيز مختبرات الكيمياء (A. وجود شفاطات هواء ـ B. وجود كراسي ـ C. وجود سلالم ـ Dـ كل ما سبق)

٣٣......هو كمية المادة التي تؤدي لوفاة نصف مستخدميها اذا تم تناولها دفعة واحدة (LC50_D__LEL_C__LOL-B__-LD50_A) ٣٤ من الأداب العامة لمزاولة مهند المُغتبرات الطبية (Aالخبرة - Bالزهو - كالدعاية الشخصية - Dكل ما سبق)

٣٥ـ مجموعه من الوظائف المتشابهة التي يمكن أن يقوم بها فرد واحد عند اللزوم (A- العمل _ B - المهنة _ C - الوظيفة — D كل ما سبق)

٣٦. من الأساليب التي يمكن اللجوء إليها في إدارة الأزمة (ALلناورة والالتفافاط. الضغوط الاقتصادية C الدبلوماسية D كل ما سبق

٣٧ من طرق علاج الشائعات (A. المنطقية في التعامل - B. نشر الحقائق - C. التوعية - D. التوعية - D. ما سبق)

٣٨ من الأهداف العامة التي تسعي السلامة والصحة المهنية لتحقيقها (A. حماية المتلكات B.حماية الافراد ـ C – العمل بأمان ـ D — كل ما سبق) MSDS.٣٩ لأي مادة أو جهازهامة لسلامة (A- الجهاز ـ B- المستخدم ـ C- المادة ـ D ـ كل ما سبق)

· £.من عوامل ادارة الازمة (A.انخاذ القرار المناسب في الوقت المناسب B ضبط النفس. C-التدريب D كل ماسبق)

ا £ التبليغ فورا في حالة اكتشاف تعاليل ايجابية لمرض (Aالجرب - B ـ شلل الأطفال ـ C ـ الكوليرا - D ـ كل ما سبق)

24. عدد الدرجات الوظيفية في الجامعات المصرية (LA _ LC - LC - LC - V.D - LC - ك.

27. يجب ان تحتوى شنطة الاسعافات الأولية على (A. ملينات. B. مقلصات. C. قطن طبي وشاش . D كل ما سبق)

32. الرعاف هو (A-صدمة عصبية B- رعشة الجسم_ C- نزيف دموي من الانف_ D كل ما سبق)

0 £ من الخطوات الرئيسية عند تنفيذ عملية مواجهة الكوارث (A-الانذار والتعذير — Bالاخلاء_C-الايواء_D-كل ماسبق)

الك من نفايات المعامل (A اطباق مزارع بكتيرية _ B نفايات كيمائية _ C. بقايا احياء بريه _ D كل ما سبق)

 ٤٧. من مجالات الاخلاقيات البيولوجية (A تأجير الارحام B ـ القرصنة البيولوجية - C ـ سرقة الجينات - D ـ كل ما سبق) ٨٤ من انواع الشانعات (A_الشانعة البطينة - B_الشانعة السريعة -C_الشانعة الاستطلاعية -D_ كل ما سبق)

94. Plagiarism يعني (Aالانتحال Bالاقتباس-Cالبحث - D كل ما سبق)

من يعد ميثاق اخلاقيات المهنة ؟ (A فريق عمل B رئيس المؤسسة B الطلاب B كالما ما سبق).

مع تمنياتي بالتفوق

انتهت الأسئلة

Assiut University Faculty of science Geology Department Date: June, 2024 Time allowed: 2 hours

Second semester final exam in metamorphic rocks (G336)

Students: 3rd year geology

Choose the correct answer	A R (ar D (two	marks for each).	and	Comment	(50)	Mark	(2
Unoose the correct answer	4. D. C	. or D (LWO	marks for each).	allu	Comment	OU	TATEGE IF	ر د

1.			
2.	Slate are a metamorphic rocks usually ha A- same parent rocks C- same colour	ve: B- same mineral D- same degree o	composition of metamorphism
3.	The feldspars in metamorphic rocks are to A- labradorite B- perthite and alb	usually represent by: vite C- andesine	D- anorthite and perthite
4.	C	porphyroclast textu B- shape of cryst D- type of crysta	als
5.	Blueschist and eclogite rocks are common A-transformed fault boundary C-burial metamorphism	only associated with B- divergence pla D- subduction zo	ate one
6.	Zoisite is a characterized mineral of: A- low-grade B- very low-grade (C= medium grade	D- high grade metamorphism
7.		ent in rocks of mediu grade rocks B- different in temp D- different in both	m grade, where oligoclase and perature and temperature and pressure

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8.	 Migmatițe forms under extreme temperatu A- prograde metamorphism C- burial metamorphism 	B- retrograde metamorphism D- regional metamorphism
9.	At depth 5-6 km, the intrusion of syenitic r (till of 0.15 D) up to temperature of: A- high-grade B- low-grade	magma rising the temperature of country rocks C- medium-grade D- very low-grade
,	7 MgH grade 15-10w-grade	C- medium-grade D- very low-grade
10	0. The different between protomylonite and the A- degree of cataclastic C- recrytallized rate	B- mineral composition D- proportion of matrix
11	1. A rock that has undergone cataclastic me of the following? A- preserved sedimentary layering	tamorphism would most likely display which B- pulverized rock fragments
	C- new minerals	D- large olivine crystals
12	2. Which of the following statements about A- with increasing metamorphism, the cla B- with increasing metamorphism, the gra C- with increasing metamorphism, foliation D- with increasing metamorphism, the an	ay minerals breakdown to form micas ain size of the minerals gets smaller on develops
	3. Which of the following metamorphic roc A- greenstone - basalt C- schist – shale	ks is not paired with its true parent rock? B- quartzite - quartz arenite D- hornfels – dolomite
	4. Which list of metamorphic facies is in orda. A- amphibolite, zeolite, greenschist, grand B- zeolite, greenschist, amphibolite, grand C- greenschist, granulite, amphibolite, zeo D- granulite, amphibolite, greenschist, zeo	ulite ulite olite

sedimentary rocks A- form on or near B- cannot be broke C- contain mineral D- reach Earth's s	, however, most metant Earth's surface en down to form sedim is that are stable at Eart arface only through up	ent h's surface	
16.At distance ½D of A-410+Tc	F basic intrusion, the ter B- 420+ Γc	mperature attends to: C- 430+Tc	D- 440+Tc
17. Within a 50 mile in the direction of A-increasing meta B- decreasing met C- increasing degraph increasing degraph.	raverse you walk from :	shale into slate into phyllite phism norphism	e. You are walking
18.Andradite present A- regionally met B- dynamic metal C- thermally metal	in: amorphic sediments morphic sediments morphosed calcareous alcareous sediment		
19. The index metant	orphic mineral need:	B- specific type of metar D- all of these	
20. Amphibolites fac A- hornblenbe	ies is named after inde B-hypersthene	x mineral: C-andalusite	D-forsterite
21.Talc-carbonate re A-regional	ocks are product of: B-thermal	- metasomatic metamorphis	m D- dynamic

C- type of lithology	metamorphic aureole at particular level of erosion B- thickness of intrusion D- all of these
	······································
23. What are the different between mylor basalt?	nite formed from shale and mylonite formed from
A- grain size C- mineral composition	B- texture D- degree of cataclases

C- physical study	B- field study D- microscopic study
25 The different L	
25. The different between orthogneiss and A- grain size	paragneiss:
C- degree of metamorphism	B- texture D- parent rocks

كتب أرد/ حسين عزيز محمد حجازي) تمنية بالتوفية والنجاح	امتحان الشفوي عقب امتحان النظري مباشرة (م

Yes



كلية العلوم - قسم الجيولوجيا



جامعة اسيوط

امتحان طلاب المستوى الثالث (ساعات معتمدة) مقرر (٠ ٤٠ ج) ميكانيكا الصخور وجبولوجبا تركبية

الزمن: ٣ ساعات

مايو ۲۰۲٤

Parti: Rock Mechanics (18 Marks)		
I) Discuss briefly the factors controlling the behavior of rock (5 Marks	s)	
II) Define the following items (8 Marks)		
1- Angular Strain		
2- Transpression		
3- Ductile substances		
4- Elastic strain		
		- 2
III) Label the correct sentence with true (T) and the incorrect one with false (F)	5 Mar	ks)
1- Shear stress can be either compressional or tensional.	()
2- Measurement of strain increments is more difficult than the finite strain.	()
3- Gravity is an example of surface forces.	(_)
4- With increasing confining pressure, the volume of the body decreases and the	()
dilation is positive.		
5- The principal planes of stress have no components of normal stress acting on them.	1)

Good Luck.....

Dr. Hassan Abbas

PART II: Structural Geology (32 marks) ANSWER THE FOLLOWING QUESTIONS:

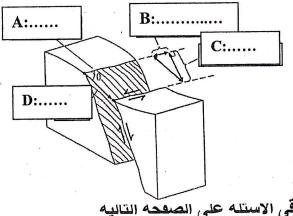
I. A) Rewrite the complete sentence using the following words: (5 marks)

strata - diapir - structural dome - evaporite - intrudes

A salt dome is a type of...... formed when a thick bed of minerals found at depth vertically into surrounding rock, forming a.....

- B) 1) What is the type of the fault?
 - 2) show the different fault-slip components in the blank rectangles

(5 marks)



الاستله على الصفحه التاليه

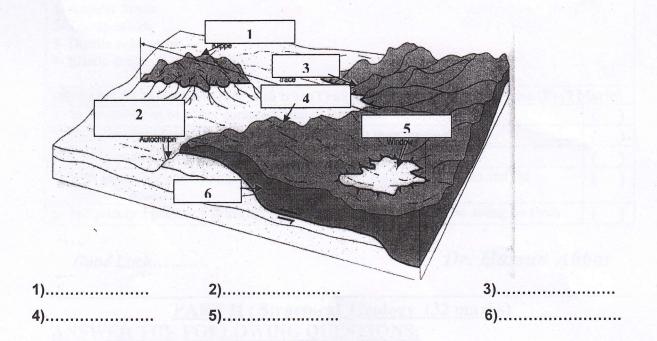
then rewrite in your answer paper: (One mark each)	
An imaginary plane that is tangential to the hinge zones of a series of small folds is called:	
Axial surface - Enveloping surface - Bedding surface	
On a listric fault the hanging-wall block rotates around an axis that is	
a) parallel to the fault surfaceb) perpendicular to the fault surfacec) oblique to the fault surface	
is a term used to indicate the direction of movement and rotation that occurred during deformation	
Vergence - Simple shear - Rake - Enveloping surface	
In similar folds a- maintain constant layer thickness across the folded surface. b- the layer thickness parallel to the axial surface remains constant. c- inter-limb angles are equal.	
In faulting, the horizontal component of dip separation is	
called Throw - Heave - dip slip	
6) A non- cylindrical fold is characterized by	
a curved hinge line - straight hinge line - refolded hinge line	
7) High point of the hinge line in a noncylindrical fold is called	
Depression - Culmination - Amplitude	
8) Kink folds are small folds that are characterized by	
a) irregular and isolated fold structures b) straight limbs and sharp hinges c)with only one tilted limb	
9) Large-scale recumbent folds often associated with thrust faulting; they are called	/
Thrust sheets - nappes - Duplex	
10) is a fault rock consisting of loose or loosely bound angular rock fragments often in a gouge matrix.	
Mylonite - Fault breccias - Pseudotachylite	
T sende T 2 de de Tom Eve 20	

II. Choose the correct words to complete the following phrases and

ANSWER ONLY TWO OF THE FOLLOWING QUESTIONS:

- III. Write on Anderson's theory to explain the relation of stress to faulting.

 (6 marks)
- IV. Write the proper name of each structural feature 1, 2, 3, 4, 5 & 6.
 (6 marks)



V. Write short notes on:

(6 marks)

- a Field criteria of faults.
- b- Listric faults.
- c. Parasitic folds.

Good Luck!

Prof. Dr. Moustafa Youssef



Assiut University
Faculty of Science
Department of Geology



Date: May 2024 Time allowed: 2 hours

Final Exam Electrical Prospection (G 358), Total 50 Marks

A) Mark the following statements with True (V) or False (X): (25 marks, one mark each)

No	Statement	TRUE (√)	FALSE (X)
	Induced polarization method is extensively used for the		
1	exploration of disseminated metal-based minerals		
2	The induced polarization method sometimes called the		
3	DC resistivity method depends on the storage of current whereas		
4	The presence of metallic minerals in the subsurface will have no effect on the voltage decay during induced polarization		
5	Membrane polarization results from variations in the mobility of		
6	Surface area is the most important factor controlling the H		
7	The IP effect increases with the increasing in surface charge		4
8	Chargeability is defined as the ability of the substituce to now		
9	Dipole-dipole array is best suited for IP measurements to	,	
10	IP method can be used to map lithologic variations in the		
11	The GPR method is best suited for the archaeological		
12	The frequency of the GPR pulse energy ranges typically from 10		
13	The propagation of EM waves in GPR depends only on the		
14	The dielectric permittivity is defined as the ability of indecent		
15	In GPR the attenuation of EM energy is primarily controlled		
16	The depth to target in GPR can be determined if the propagation of the electromagnetic energy (Vm) through the material		
17	The depth in GPR increases with the increasing of the		
18	the higher depth of peneralist	1	

19	In GPR, the vertical resolution is a measure of the ability to recognize individual, closely spaced reflectors		
20	In GPR, the larger the Fresnel zone, the lower the horizontal resolution.		
21	The electromagnetic (EM) techniques can be classified as time domain or frequency domain systems		
22	The main disadvantage of the EM methods is that they require direct contact with the ground	· ·	
23	In EM method, a secondary EM field is produced if a subsurface resistive anomaly is present		
24	The skin depth in EM method is the depth at which the amplitude of a plane wave has decreased to 1/e relative to its initial amplitude		
25	VLF method is very effective in locating subsurface zones of high electrical conductivity		

B) Choose the correct answer of the following: - (25 marks, one mark each)

26)	The induced	polarization	method	is	classified	as:
-----	-------------	--------------	--------	----	------------	-----

- a) surface method
- b) active method
- c) electrical method
- d) all of the above

27) The IP method is a primary tool to explore:

- a) porphyry cuppers deposits
- b) bedded lead-zinc deposits
- c) sulphide related gold deposits
- d) all of the above

28) The membrane polarization is most pronounced in rocks containing:

- a) silicate minerals
- b) iron minerals
- c) carbonate minerals
- d) clay minerals

29) The IP effect is controlled by:

- a) ionic mobility
- b) surface area
- c) surface charge density
- d) all of the above

30) In the IP method, the increase in pore fluid chemistry will result in:

- a) general decrease in IP magnitude
- b) general increase in IP magnitude
- c) decrease and then increase in IP magnitude
- d) increase and then decrease in IP magnitude

31) IP measurements can be performed in the:

- a) time domain
- b) space domain
- c) frequency domain
- d) a and c

32) The unit of chargeability for IP measurements is:

a) m/sec

- b) ohm.m
- c) siemens/m
- d) mSec

	the induced current:
	phenomenon develops when the induced current: b) switched off
33) The I	b) switches -

- a) switched on

c) a and b

d) none of the above

34) The IP method can be used to map:

- a) disseminated metallic minerals
- b) lithology
- c) salt-water intrusion
- d) all of the above

35) In the IP method, the subsurface earth materials act as: b) conductor

a) capacitor

d) none of the above

36) Which of the following is controlling the propagation of EM waves in GPR survey:

- a) dielectric permittivity of the subsurface
- b) electrical conductivity of the subsurface
- c) magnetic permeability of the subsurface

37) Which of the following parameters has major effect in the attenuation of EM waves in GPR survey:

- a) dielectric permittivity of the subsurface
- b) electrical conductivity of the subsurface
- c) magnetic permeability of the subsurface

38) Which of the following physical factors control the propagation of EM waves in GPR survey:

a) lithology

d) all of the above

39) The GPR system where the antenna is containing both the transmitter and receiver is called:

- a) monostatic

c) all of the above

40) The propagation velocity of EM waves in GPR survey can be estimated from:

- a) dielectric permittivity of the subsurface
- b) electrical conductivity of the subsurface
- c) density of the subsurface
- d) magnetic permeability of the subsurface

41) The selection of antenna in GPR survey depends on:

- a) depth of penetration
- b) quality of penetration
- c) resolution of penetration
- d) all of the above

42) In GPR survey, high frequency antenna will result in:

- a) greater penetration depth and lower resolution
- b) lower penetration depth and higher resolution
- c) lower penetration depth and lower resolution
- d) greater penetration depth and higher resolution

19	In GPR, the vertical resolution is a measure of the ability to recognize individual, closely spaced reflectors	
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21	The electromagnetic (EM) techniques can be classified as time domain or frequency domain systems	
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25	VLF method is very effective in locating subsurface zones of high electrical conductivity	

3) Choose the correct answer o	of the following: - (25	marks, one ma	rk each)
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20/ 1110 1110					96

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- b) ohm.m
- c) siemens/m
- d) mSec

c) EM method

	I factorist size then:
43) If the target in GPR is much smaller to	nan the footprint size then.
a) the target will not be imaged	
b) the target will be highly imaged	
c) part of the target will be image	d v
d) all of the above	
44) Which of the following modes can be	used to acquire GPR survey:
a) sounding model	b) profiling mode
c) sounding profiling mode	d) common midpoint mode (CMP)
45) Which of the following methods can	be used to estimate depth from GPR records:
a) from relative dielectric permit	tivity
b) shoot to target of known dept	h
c) hyperbola fitting	
d) all of the above	
46) Electromagnetic methods usually us	e low frequency EM waves where:
46) Electromagnetic methods usually us	notes
a) conduction currents predomir	ninates
b) displacement currents predor	Milates
c) a and b	
d) none of the above	
47) The advantage of electromagnetic r	nethod is:
a) rapid	
b) accurate	
c) no direct contact with the gro	und
d) all of the above	
α ₁ απ στο	
48) The EM systems can be classified as	5:
a) time vs frequency domains	b) active vs passive
c) a and b	d) none of the above
•	
49) VLF detects electrical conductors b	y utilizing radio signal in the range of:
a) 15 to 30 Hz	b) 15 to 30 KHz
c) 15 to 30 MHz	d) 15 to 30 GHz
, and	
50) Which of the following method car	n be used to map unexploded ordnance:
a) IP method	b) GPR method
c) FM method	d) all of the above

======Best wishes =================

بسم الله الرحمن الرحيم

جامعة أسيوط كلية العلوم ـ قسم الجيولوجيا

امتحان الفرقة الثالثة بكلية العلوم شعبة الجيولوجيا

المادة: الحفريات الدقيقة والجيولوجيا التاريخية (315ج) (Micropaleontology and Historical Geology)

الزمن: ثلاث ساعات

الدرحة: 50 درجة

الفصل الدراسي الثاني 2024م

أجب عن الأسئلة التالية

I- Micropaleontology

السؤال الأول: (10 درجات)

- 1- Compare between the Radiolaria and benthonic foraminifera in: Systematic position environmental habitat shell walls shell shape mode of life
- 2- Discuss the effect of salinity and alkalinity in the distribution of foraminifera.
- 3- Discriminate by drawing between the different types of conodonts.
- 4- Mention the main differences between the fresh water and marine Ostaracoda shells.

السؤال الثاني: (10 درجات) 1- Choose the correct answer: (3 Marks) i-..... and are examples for the rock forming microfossils. a- Nummulites, Fusulina b- Fusulina, Mililida c- Numulites, Globigerinida d- all of them and are examples for the flora microfossils. iia- Diatums, Pollen b- Diatums, Spores c- Nannoplankton, Fungi d- all of them iii-Dissolved oxygen in the sea water depends on and a- ocean circulation, organic matter b- ocean circulation, inorganic matter c- inorganic matter, organic matter d- inorganic matter, sea floor iv-The wall structure of the earliest foraminifera is a- agglutinated b- calcareous hyaline c- calcareous porcellaneous d- siliceous

- Stagnant water marks bycondition. Vb- anoxic d- suboxic b- dysoxic a- oxic Foraminiferal genera live in water environments. vic- marine d- all of them a- mixed b- fresh
- 2- Define ONLY TWO of the following concepts: (2 Marks)

ii- Benthonic foraminiferal habitats i- Photic zone iii- Carbonate compensation depth

- 3- Mark the correct and the wrong statements, and correct the wrong: (5 marks; 1 mark each)
- i- For classifying fossil dinoflagellates, number and arrangement of plates are very important criteria.
- ii- Fossil prasinophytes are exclusively marine and generally much larger than acritarchs.
- iii- Treatment of hard indurated clay samples using sodium hexametaphosphate [(NaPO3)6] provides more palynologically-productive residue than the acid treatment.
- iv- Artificial "non-biological" classifications of spores and pollen grains are based on morphological criteria.
- v- Chitinozoa have a particular value to Cenozoic biostratigraphy.

السؤال الثالث: (10 درجات)

d- all of them

1- Choose the correct answer: (5 marks; 1 mark each)

- i- Criteria used in classification of spore/pollen grains are:
- d- grain size e- all of them c- grain sculpture b- grain shape a- type of aperture ii- For the palynological extraction technique, which of the following is considered as an optional step:
- d- all of them b- silicates removal c- oxidation a- carbonates removal iii- In an idealized life cycle of dinoflagellate, the stage of combined sexual and asexual
- reproductions is represented by:
- a- motile diploid stage b- motile haploid stage c- motile diploid stage d- all of them

c-35-50 g

vi- For palynological processing of organic-rich samples (e.g., coal, carbonaceous shale), the proper weight to be analyzed is:

a- 5-10 g v- In prasinophytes, the excysment opening is referred to as:

b-25-30 g

d- all of them c- Archeopyle b- Cyclopyle a- Operculum

2- Write briefly on ONLY TWO of the following: (5 marks; 2.5 marks each)

- i- Safety precautions in palynology lab
- ii- Dinoflagellate life cycle with drawings.
- iii- Definition, Taxonomy, morphology, and ecology chitinozoa.

II- Historical Geology

السؤال الأول: (10 درجات)

1- Give reasons for **ONLY THREE** of the following: (3 Marks)

- i- The formation of Himalayas Mountains.
- ii- The accumulation of tellites sediments in South Africa during the early Paleozoic.
- iii- The separation of South America and Africa plates.
- iv- The closure of Iapetus Ocean.

2- Write the derivation of **ONLY FOUR** of the following: (2 Marks)

i- Miocene ii- Holocene iii- Cambrian iv-Triassic v- Carboniferous

3- Compare between ONLY TWO of the following: (3 Marks)

- i- The causes of the formation of the Ural and Sierra Nevadan Mountains.
- ii- The climate in the Paleozoic and Mesozoic eras.
- iii- The Ediacaran and Burgess fauna.

4- Define and explain the following concepts: (2 Marks)

i- Messinian Salinity Crisis ii- Uniformitarianism

السؤال الثاني: (10 درجات)

1- Choose the correct answer: (5 Marks)

- i- The collective term used to describe any and all processes responsible for mountain building is:
 - a- orogenesis b-collision c-subduction d- isostacy
- ii- Which of the following periods is older than all the others?
 - a- Ordovician b- Devonian c- Jurassic d- Silurian
- iii- Which of the following geologic time divisions is a shorter duration of time than all the others?
 - a-epochs b-eras c-periods d-ages

- iv- Which of the following provides the most accurate way of determining the age of a sedimentary rock layer?
 - a- index fossil

b- fossil succession

c- fossil assemblage

E. fossilized algae

- v- Which of the following applies to the standard geologic time scale?
 - a- it was developed through radiometric dating
 - b- it is based on superposition and faunal succession
 - c- it is divided into periods of equal length
 - d- it is divided into periods named for type of rock
- vi- Which phase covers over 80% of earth history?
 - a- Mesozoic b- Paleozoic c- Cenozoic d- Precambrian
- vii- An unconformity is a
 - a- sedimentary unit

b- period of deposition

c- buried erosion surface

d- type of fault

- viii- The oldest geological evidence of life on Earth is
 - a- 545 million years old

b- 3.8 billion years old,

c-6,000 years old

d-8 billion years old

- ix- What is the half-life of a radioactive element?
 - a- The time required for one-half of a given quantity of the element to decay to its daughter element.
 - b- The time required for all of the radioactive element to decay to its daughter element.
 - c-Half of the time required for a given quantity of the element to decay

to its daughter element.

d- The time required for the radioactive element to decay half of the time.

- x- Geologically, which came first?
 - a- The appearance of fish

b- Dinosaur extinction

c- Red Sea Rift

d- Rocky Mountains

- 2- Tabulate the rock forming fossils during the Paleozoic Era. (2.5 Marks)
- 3- Write an essay on the types of unconformities. (2.5 Marks)

تمت الأسنلة مع أطيب الأمنيات بالتوفيق, ا.د. ناجح عبدالرحمن عبيداللة, ا.د. عمرو سعيد ضيف

University of Assiut **Faculty of Science Department of Geology** 3rd Level Examination for Geology, Geophysics and Geochemistry students In Field Geology (306G) **Time:** Two Hours 50 Marks May, 2024 ملحوظة هامة: الأمتحان يتكون من صفحتين Answer the following question: First Question: choose the correct answer: (10 Marks, one Mark for each) 1- In folds, rocks that bend downwards are called and rocks that bent upwards are called a- synclines; monoclines b- synclines; anticlines c- anticlines; synclines d- anticlines; monoclines 2- Which of the following sedimentary structures is common in the sand dunes: a- ripple marks b- cross-bedding c- graded bedding d- all of these 3- A rock that is formed at the earth's surface is? a- Laccolith b- Dike d- Sill 4- Geological processes operating at the present time are the same processes that have operated in the past" is a statement of: a- Faunal Succession b- Uniformitarianism c- Evolution d- Correlation 5- Rain prints can occur in..... a- Igneous rocks b- Sedimentary rocks d- all of these c- Metamorphic rocks 6- Which one of the following is a secondary biologic sedimentary structure? a- boring b- flame structure c- burrow d- styllolite

7- Which of the following does not provide evidence of shallow water

a-Lamination b-Rain prints c-Ripple marks d-Mud cracks

8- The process whereby rocks are changed to sediment is called.....

c-solidification d-lithification

environment?

a- Compaction b- weathering

- 9- Structural cross-section illustrates
 - a- the various positions of the rock formations as they actually look underground are represented.
 - b- the horizontal view of several stratigraphic sections.
 - c- what the rocks are doing and where they are going?
 - c- all of these
- 10- of chemical sedimentary structure.
 - a- stylolites b- mud cracks c- none of these d- both of these

Second Question (10 Marks)

- 1- Write on *only three* of the following concepts: (5 Marks)
 - a- Bioturbation.
- b- Flute mark.
- c- Load casts
- d- mud cracks

- 2- Define the following concepts:
 - a- Stratigraphic cross section
- b- Ripple marks (5 Marks)

Third Question (10 Marks)

- 1- From the figure at right answer the following questions: (5 Marks)
 - a- Define the sedimentary structure.
 - b- Draw the figure in your paper describing the important indicator of this sedimentary structure.



- 2- Compare between the following pairs: (5 Marks)
 - a- Crater Calderas
- b-Batholiths Diaper
- b- Stocks Bosses
- d- Fracture cleavage Slip cleavage

Fourth Question (10 Marks)

- Write short notes on the different types of Volcanocs.

Fifth Question (10 Marks)

- Mention the main stages of crenulation cleavage to form.

----- GOOD LUCK -----

Prof.Dr. A. A. Khoudier

Prof. Dr. N. A. Obaidalla

Assiut University Computer Networks Third Level (MC354) Time: 2 hours Question: Answer the following (MCQ) questions: (50 Marks) 1-Digital Subscriber Line (DSL) uses existing lines to connect machines to the Internet. A. Telephone B. Internet C. TV D. Water 2-A / An defines the format and the order of messages exchanged between two or more communicating entities, as well as the actions taken on the transmission and/or receipt of a message or other event. A.protocol B. modem C. Internet D. end system. 3-The is an infrastructure that provides services to applications and a programming interface to distributed applications. A. Internet B. modem C. router D. protocol 4-..... is the actual rate at which bits are being sent from sender to receiver measured in bits/time A.Bandwidth B. Throughput C. Data rate D. Bottleneck 5. Moving arriving data packets from router's input link to appropriate router output link is known as A. routing B. switching C. forwarding D. B and C 6-The functionalities of the presentation layer include A.Data compression B. Data encryption C. Data description D. All of the mentioned 7-In the OSI model, as a data packet moves from the lower to the upper layers, headers are.. A.Added B. Removed C. Rearranged D. Randomized 8-The time required to examine the packet's header and determine where to direct the packet is part of the A. queuing delay B. transmission delay C. propagation delay D. processing delay 9-Which connection is necessary for a computer to join the internet? A.internet society B. internet service provider C. different computer D. internet architecture board 10-The is the amount of time required to push all of the packet's bits into the link calculated by L/R, where L is the length of the packet and R is the transmission rate of the link. A. queuing delay B. transmission delay C. propagation delay D. processing delay 11-The is the time required to propagate from the beginning of the link to another router calculated by d/s, where d is the length of the physical link and s is the propagation speed. A.queuing delay B. transmission delay C. propagation delay D. processing delay 12-The is the delay the packet experiences waiting to be transmitted at the output link and is affected by the congestion level of the router. A.queuing delay B. transmission delay C. propagation delay D. processing delay 13-Which of this is not a network edge device? A. Switch B. PC C. Smartphones D. Servers 14-The is where network applications and their protocols reside. A. application layer. B. transport layer. C. link layer. D. network layer. 15. TCP and UDP are protocols. A. physical layer. B. link layer. C. transport layer. D. network layer. 16-The routes datagrams from source to destination.

A. link layer. B. application layer. C. physical layer. D. network layer.

17-The moves the individual bits of a frame from one node to the next through communication links. A. physical layer. B. link layer. C. netwo: layer. D. application layer 18-Ethernet, 802.11 and PPP are protocols. A. application layer. B. transport layer. C. network layer. D. link layer. 19. The provides synchronization, checkpointing and data exchange recovery during communication between applications. A. application layer. B. presentation layer. C. session layer. D. link layer. 20-In the data link layer, what is the primary function of the framing process? A. To encapsulate data with header information for addressing and error detection. B. To compress data for more efficient transmission. C. To route data packets across different networks. D. To establish and manage connections between applications. 21-What is port numbers for HTTP protocols? A. 80. B. 200. C. 25. D. 403

22-What is the difference between connection-oriented and connectionless services in the data link

A. Connection-oriented services establish a connection before data transfer, while connectionless services transmit data without any pre-established connection.

B. Connection-oriented services are faster, while connectionless services offer more reliable data

C. Connection-oriented services are used in LANs, while connectionless services are used in WANs.

D. Connection-oriented services require less overhead, while connectionless services have additional header information.

23-What is the primary function of the Address Resolution Protocol (ARP) in the data link layer?

A. To map logical IP addresses to physical MAC addresses of network devices.

B. To manage network congestion and flow control.

C. To translate domain names into corresponding IP addresses.

D. To establish and tear down connections for communication sessions.

24-What is the key difference between a Point-to-Point (PPP) and an Ethernet link?

A. Ethernet is typically used in LANs, while PPP is used in WANs.

B. PPP supports full-duplex communication, while Ethernet is half-duplex.

C. Ethernet operates at higher speeds compared to PPP.

D. PPP requires more complex cabling compared to Ethernet.

25-What is port numbers for HTTPS protocols?

A. 200. B. 25. C. 403. D. 80.

26- What is port numbers for SMTP protocols?

A. 200. B. 25. C. 403. D. 80.

27-What are the main advantages of using a switched network compared to a sharedmedia network?

A. Switched networks are less expensive to implement and require simpler cabling.

B. Switched networks offer higher bandwidth and reduced collisions for individual devices.

C. Switched networks are easier to manage and troubleshoot compared to sharedmedia networks.

D. Switched networks are inherently more secure due to isolated data paths.

28-Briefly describe the concept of Virtual LANs (VLANs).

A. A method for segmenting a physical network into logical subnetworks based on security or administrative purposes.

B. A technique to combine multiple physical networks into a single logical network.

C. A way to prioritize network traffic for different types of data.

D. A method for encrypting data packets for secure communication.

29-What is the primary function of the Internet Protocol (IP) in the network layer?

A. To encapsulate data with header information for addressing and error detection.

B. To route data packets across interconnected networks based on their destination addresses.

C. To establish and manage connections between applications.

D. To provide reliable data transfer with error checking and retransmission.

30-What is the difference between datagrams and virtual circuits in network layer services?

A. Datagrams are used in LANs, while virtual circuits are used in WANs.

- B. Datagrams provide a connectionless service, while virtual circuits offer connectionoriented communication with guaranteed delivery.
- C. Datagrams are more reliable than virtual circuits due to error correction mechanisms.
- D. Datagrams require more complex routing protocols compared to virtual circuits.
- 31- What is the function of the Internet Control Message Protocol in the network layer?
- A. To exchange control messages for network diagnostics and error reporting.
- B. To route data packets based on their destination IP addresses.
- C. To provide reliable data transfer with error checking and retransmission.
- D. To translate domain names into corresponding IP addresses.
- 32-What is the purpose of port numbers in the transport layer?
- A. To differentiate between different applications on a single device.
- B. To identify the source and destination devices on the network.
- C. To route data packets across different networks based on their destination addresses.
- D. To provide error detection and correction for reliable data transfer.
- 33-What is response status codes for request succeeded, requested object later in this message? A.200. B. 301. C. 400. D. 505.
- 34-What is the role of the Domain Name System (DNS) in the application layer?
- A. To translate domain names into corresponding IP addresses for user-friendly access.
- B. To manage network congestion and flow control.
- C. To establish and manage sessions between applications.
- D. To encrypt data packets for secure communication.
- 35-What is response status codes for requested object moved, new location specified later in this message (in Location: field)?

A. 301. B. 404. C. 400. D. 505.

- 36-What are some common techniques used for congestion control in networks?
- A. Increasing the bandwidth of network media.
- B. Employing traffic shaping to prioritize critical data.
- C. Implementing queueing mechanisms to manage data flow.
- D. All the above
- 37-What is the function of the File Transfer Protocol (FTP) in the application layer?
- A. To send and receive email messages.
- B. To exchange control messages for network diagnostics and error reporting.
- C. To browse the web and access information on remote servers.
- D. To transfer files between devices on a network.
- 38-How does the Simple Mail Transfer Protocol (SMTP) differ from the Post Office Protocol (POP) in the application layer?
- A. SMTP is used for sending emails, while POP is used for retrieving emails from a server.
- B. SMTP requires authentication for secure email access, while POP does not.
- C. SMTP operates on a different port number compared to POP.
- D. All the above

39-What is the purpose of the Hypertext Transfer Protocol (HTTP) in the application layer?

A. To exchange control messages for network diagnostics and error reporting.

B. To transfer files between devices on a . etwork.

C. To send and receive email messages.

D. To provide a protocol for accessing and interacting with web resources.

40-What are the main benefits of using a layered network architecture approach?

A.Provides a less secure communication environment

B. Simplifies network design by combining all functionalities into a single layer.

C. Reduces the complexity of network protocols and standards.

D. Enables modularity, allowing independent development and modification of specific layers.

41-if named host changes IP address, may not be known Internet-wide until all expire!? A. TTLs. B. TLD. C. UDP. D. TCP.

42-What is response status codes for request msg not understood by server? A.404. B. 301. C. 400. D. 505.

43-What is the significance of firewalls in network security?

A. Firewalls provide secure remote access capabilities for authorized users

B. Firewalls encrypt data packets for secure communication.

C. Firewalls detect and prevent malware and malicious software from entering the network.

D. Firewalls filter incoming and outgoing network traffic based on predefined security policies.

44-What is the purpose of IP spoofing?

A)Packet interception B)Denial of Service C)Botnet D) Injection of false source address

45-The number of layers in ISO OSI reference model is...

A) 5 B) 7 C) 6 D) 10

46-What does SMTP stand for?

a) Simple Messaging Transferal Protocol

b) Simple Mail Transfer Protocol

c) Simplified Mail Transfer Protocol

d) Simple Mailman Trail Protocol

47-E-mail uses which Application layer protocol?

a)SMTP b) HTTP c) FTP d) SIP

48-Always-on host.

a)Client b) Server c) a and b d) None of the above

49-Identifier includes...

A.IP address B.Port numbers C. Socket D. Both A and B

50- Socket... messages.

A.Send B.Receive C. Both A and B d) None of the above

Assiut University
Faculty of Science
Department of Geology



جامعة أسيوط كلية العلوم قسم الجيولوجيا

		2023/2024 Secon	nd Semest	er, Fi	nal Examination	
	On:	Earthquake Seism	ology and	l Seisr	nic Prospection (G-3	(50)
	5 June 2024		(Total Ma	irks: 5	50)	Time: 2 hours
<u>Answe</u>	r ONLY the require	d questions, illustratin	g your answ	ver by s	uitable sketches wherever	r possible:
	The seismic ac Why do some p Concept and ty Main compone	tivity in Egypt, included the people die in some spes of focal mechants of seismic data adicators derived fr	uding not earthquak nism solut acquisitio	able hites montions.	storical earthquakes. e than others? m.	(16 marks)
f)	Limitations of	seismic refraction s	survey.			
a) b) c) d)	Convergent vs. P-wave vs. S-v Earthquake int	divergent plate bow vave shadow zones ensity vs. magnitud cted head waves vs	undaries e	8	rom the following:	(9 marks)
Third 1.	Earthquake A amount of grown a) A is 10X mm c) B is 0.01X a	und motion is one ore intense than B as intense than A	gnitude of measure	of ear b) A d) A	compared with ear thquake intensity. is 1000 more intense is 100 more intense t	than B han B
3.	a) P-waves c) P-waves Which of the earthquake? a) the Modifie	S-waves Surface Surface waves S	e waves waves ibes the	b) Sud) S-build	urface waves P-way waves P-waves up and release of e elastic rebound theo e travel time difference	ves S-waves Surface waves stress during an
4.	We record grinstrument madigital compute a) seismometer	ound shaking wikes a recording on ers. The recording	th an in a device itself is c smogram	strum called alled a b) s	ent called a	, and the stly these days with gramseismometer
5.	referred to as a) Gutenberg	the	t and the	b) L	e is mostly chemical chman discontinuity one of them	l. This boundary is
6.	A 7.2 earthqua a) 23 times c) 32 times	ike releases about		b) 10	more energy than a times	6.2 earthquake.

7.	 Which of the following statements best describes the state of earthquake prediction? a) scientists can accurately predict the time and location of almost all earthquakes b) scientists can accurately predict the time and location of about 50% of all earthquakes c) scientists can accurately predict when an earthquake will occur, but not where d) scientists can characterize the seismic risk of an area, but can not yet accurately predict most earthquakes
8.	 Which of the following statements is false? a) Most earthquakes occur at plate boundaries b) The time and location of most major earthquakes can be predicted several days in advance c) Earthquakes can be caused by normal, reverse, and strike-slip faulting d) P-waves travel faster than both S-waves and Surface waves
9.	There are three types of boundaries: where plates move apart from each
	other, where plates move toward each other, and where plates slide alongside each other. a) divergentconvergenttransform b) transformdivergentconvergent c) convergenttransformdivergent d) divergenttransformconvergent
10.	Long-term forecasting of earthquakes is based mainly on the knowledge of when and where earthquakes have occurred in the past. It may include: a) paleoseismological evidence b) development of seismic hazard maps c) identification of seismic gaps d) all of them
11.	An example of how local soil conditions can greatly influence local intensity is given by catastrophic damage of a) 1981 (M 5.3) Aswan earthquake b) 1995 (M 6.9) Kobe (Japan) earthquake c) 1985 (M 8.1) Mexico City earthquake d) 2004 (M 9.1) Sumatra earthquake
12.	the deepest imprint on everyone. a) the 1995 (M 7.2) Gulf of Aqaba earthquake the 1992 (M 5.9) Cairo event b) the 1995 (M 5.9) Gulf of Aqaba earthquake the 1992 (M 7.2) Cairo event c) the 1969 (M 6.9) Shedwan earthquake the 1992 (M 5.9) Gulf of Aqaba event d) The 1981 (M 5.3) Aswan earthquake the 1995 (M 6.9) Shedwan event
13	A certain limiting value of stress is known as: a) Reflection strength b) Refraction strength c) Seismic strength d) Yield strength
14	a) The source waveform must be repeatable b) Energy must be safe and practical c) Sufficient energy only at the location d) Use as much energy as possible
15	The response caught from the ground is measured by a sensor in seismic land surveys called: a) Barometer b) Voltmeter c) Geophone d) Hydrophone
16	 a) weight dropped from a truck b) nuclear explosion tests d) airguns
1′	7. In the, the detectors are laid out in a line that does not pass through the
	shot point. a) longitudinal profile b) non-longitudinal profile c) arc profile d) none of them

18	to a numerical incasure of the effect of all interface on
	wave propagation, and is calculated as the ratio of the:
	a) Amplitude A1 of the incident ray to the amplitude A0 of the reflected ray
	b) Amplitude A1 of the reflected ray to the amplitude A0 of the incident ray
	c) Amplitude A0 of the incident ray to the amplitude A1 of the reflected ray
	d) Amplitude A0 of the reflected ray to the amplitude A0 of the incident ray
19	is a measure of the ability of a material to withstand changes in length
	when under lengthwise tension or compression.
	a) Young's modulus b) Shear modulus
	c) Bulk modulus d) Poisson's ratio
20.	The is the ratio of the amplitude A2 of the transmitted ray to the
	amplitude A0 of the incident ray.
	a) reflection coefficient (R) b) acoustic impedance (z)
	c) transmission coefficient (T) d) Poisson's ratio
<u>Fou</u>	rth Question: True or False: (5 marks)
1.	Since there are an equal number of receivers on each side of the seismic spread it is an off-end
	spread.
2	The relative 1
L .	The subducting plates generate powerful earthquakes (sometimes very deep earthquakes up to
	700 km) and usually create a line of volcanoes along the overriding plate boundary. ()
3.	Fold or multiplicity is the number of times that the same midpoint is sampled by different shots
	and different receivers.
4	
4.	Seismic Refraction Tomography (SRT) uses P- or S-wave travel times to map vertical and
	lateral changes in the subsurface. ()
5.	Vertical slices may be taken through the seismic data volume to display the pattern of
	reflections intersected by any time plane. Such a representation of the 3-D data is known as a
	time slice or seiscrop.
	== Good Luck,,, ==
	Assoc. Prof. Rashad Sawires



Botany and Microbiology Department Final term exam. (2024-2025), Ecology of algae (374 B) Time allowed: 2hours

Answer the following questions

<u>Question no (1):</u> Write (Yes) or (No) in the front of each sentences from the following and <u>correct</u> the wrong one. (26 marks).

1	Estuaries among the most productive natural habitats in the world.
2	The algae which float on the surface of the water are called phytoplankton.
3	Carrageenan extracted from phaeophyta Chondrus crispus has innumerable uses, and a component of toothpaste.
4	Algae may be used as an indicator of climate change
5	Microcystis is known to inhibit several species of bacteria and effective against other algae.
6	Terrestrial algae can fix atmospheric nitrogen.
7	Exotoxins and endotoxins produced by blue-green algae can bring about death of farm animals like sheep, horses, cattle.
8	Algae are chlorophyll bearing autotrophic thallophytes with a cell wall made of carbohydrate
9	PBCV-1 virus infect eukaryotic unicellular-like green algae.
10	Tychoplanktophytes are a group of algae live on rock surface.
11	Photosynthesis in the algae occurs in visible range of the spectrum (400-700nm).
12	The photic zone is the depth of the water in a lake or ocean that is exposed to sufficient sunlight for assimilation of food.
13	Feldmannia virus (FsV) infect brown algae.
14	Algae can be used as a source of active compound used in pharmaceutical compond production.
15	Epizoic algae be employed in the reclamation of alkaline user land.

	Phytoplankton algae are growing on the surface of aquatic plant and other bigger algae.
16	Phytopiankton argae are growing
7	The red and orange snow generally caused by the spore stages of the epiphytic algae.
	Green sea slugs has an parasitic relationship with various algal group
18	
19	Fungal piece in the relationship with algae called mycobiont.
	Both temperature and carbonate content increase when vigorous photosynthesis occurs in
20	
	waters.
21	Silicon is irrepressible element of all microorganism and play an important role in all
	biological processs.
22	light transmitted directly to the aquatic environment influences the distribution of algae in
	the lake
23	Paramecium bursaria is a protozoan that has a mutualistic endosymbiotic relationship with
	chlorella.
	CDED as a requirements for growth and photosynthesis.
24	Diatoms tolerance a large range of PFD as a requirements for growth and photosynthesis.
	Magnisum effect algal growth and its amount of organic matter production.
25	Magnisum effect algal growth and its amount of organization
26	Blue greens like Nostoc, Anabaena can be employed in the reclamation of alkaline user land.
20	

Question no (2): Discuss in detail Three only from the following (24 marks)

- 1. Harmful aspects of algae.
- 2. Effect of PH and temperature on algal productivity.
- 3. Symbiosis relationship between algae and invertebrate animals.
- 4. Classify algae according to their possible habitats.

Best wishes and Good luck

Prof. Dr / Awatief F. Hifney







Principles of Petrology (G324) for 3^d level student May-2024

SEDIMENTARY ROCKS (Total 17 mark) PART II

(Illustrate your answer by diagrams)
1-Write about <u>THREE</u> questions <u>ONLY</u> of the following: (3 mark for each question)
a- Cross Bedding, Mud Cracks and Ripples Marks. What is their significance?
b- Different methods of measuring particle size of clastic sediments.
c- Petrographic classification of limestone.
d- The difference between Roundness and Sphericity of grain.
2-Complete the Following (2 mark for each question)
a- <u>Matrix</u> is fine material which fills the among the particles, whereas, <u>Cement</u> is post- depositional in the among the grains and matrix.
b- The different methods of graphic representation of grain size of clastic sediments include , and on both and
c- Colloform textures produced from system by direct precipitation in the
d- The <u>minor</u> or <u>micro</u> <u>relief</u> features of the quartz grains are termed , and
GOOD LUCK
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Assiut University
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Geology Department



Second Semester Exam. 2023 - 2024 Time: 2 hours

Subject: Sedimentary Environments and Sedimentary Basins (G335)

Answer the following questions:	(50 Marks)
. How does a stream transport its sediment load?	What processes are at
work?	(5 Marks)
2. Important information's are gained from the in	terpretation of ancient
sedimentary environments, mention these.	(3 Marks)
3. Describe the properties of an idealized deltaic fac	cies model, illustrating
the difference between delta platform and prodeli	ta sediments. (6 Marks)
d. Abu Gharadiq and Shushan basins are the m	ost famous productive
sedimentary basins in Egypt, mention their local	tion, thickness of their
sediments, and age of the source rocks.	(6 Marks)
. Write on the stages of rifting, illustrating	g your answer with
drawings.	(5 Marks)
6. Which of the following is true and which is	false, correct the false
ones:	(13 Marks)
a. () Geometry of sedimentary rocks doesn't help in en	vironmental interpretation.
b. () Facies model of both fluviatile and deltaic sedime	ents are similar.
c. () The thickness of sedimentary basin sediments is c system.	controlled by the depositional
d. () Meandering rivers may form in high gradient are	as.
e. () Trench basins are related to plate divergence.	
f. () Cosmogenous materials are well documented in the	he marine sediments of Egypt.

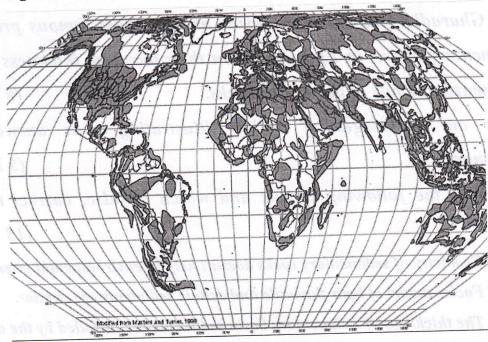
g () Komombo and Beni Sue	f sedimentary basins	have the same age.
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- h. () The sedimentary basins of Africa are largely of two types, intracratonic basins and failed rifts.
-) Delta forms only where rivers enter seas.
-) Wind is one of the main processes affecting the marine environment.
-) Nile Delta Basin is dominated by siliciclastic carbonate sediments.
-) Flood plain and bed load fluviatile sediments are used for the same industrial l. (purposes.
-) Sedimentary basins don't illustrate any evolution with time. m. (
- 7. Choose the correct answer A, B, C or D:

(12 Marks)

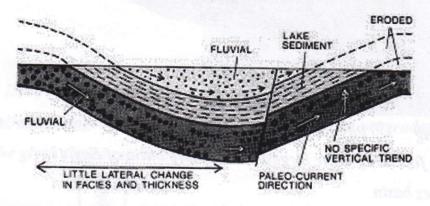
- a. The process by which the ground surface is lowered by wind erosion is called_

- (a) Deflation (b) Inflation (c) Ablation (d) None of these
- b. The given map represents _____

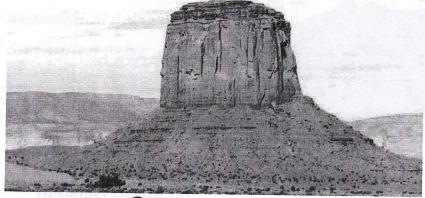


- (A) Global distribution of fluviatile sediments
- **B** Global distribution of sedimentary basins
- © Global distribution of modern aeolian sediments
- (D) Global distribution of deltaic sediments

- c. Volcanogenous sediments are more frequent in_____
 - (A) Continental environments
- ® Transitional environments
- © Deep marine environments
- 1 Both A and B
- d. The given figure represents

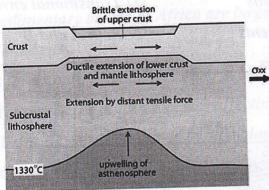


- A Post-depositional sedimentary basin
- ® Syn-depositional sedimentary basin
- © Pre-depositional sedimentary basin
- Both A and B
- e. Which of the following statements is false?
 - (A) Tsunamis can be generated by landslides
 - ® Tsunamis can be generated by volcanic eruptions
 - © Tsunamis can be generated due to the gravitational attraction between the Earth and the moon
 - ① Tsunamis can be generated by meteorite impacts
- f. The given photo which is exclusively composed of sandstone represents one of the most common landforms, in which environment can you expect to find it?



- Beach system
- [®] Fluviatile system

g. The given figure represents____

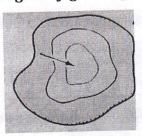


- Active rifting
- ® Passive rifting
- © Both A and B
- Neither A nor B
- h. Which of the following is the largest sedimentary basin of Egypt?
 - (A) Gulf of Suez basin

® Komombo basin

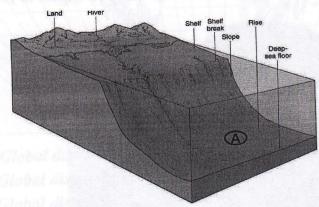
© Beni Suef basin

- (D) Nile Delta basin
- i. The given figure represents _____basin



- A Sub circular
- © Embayment

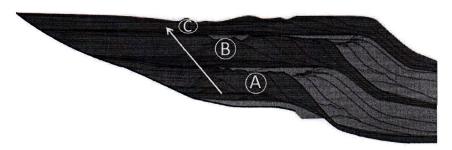
- ® Equidimensional
- D Structurally closed and elongated
- j. Letter A in the given diagram denotes



- Neritic sediments
- © Lagoon sediments

- **B** Pelagic sediments
- 1 Both A and B

k. The given figure represents _____



- (A) Delta retrogradation
- © Delta retrogradation-progradation
- [®] Delta progradation
- ① Delta progradation-retrogradation
- l. The given figure represents _____



- (A) Asymmetrical coarsening upward cycles
- **(B)** Symmetrical coarsening upward cycles
- © Asymmetrical fining upward cycles
- ① Symmetrical fining upward cycles

Good luck

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