## Engineering Geology - Mid Term Exam, Date: Tuesday 8th Nov. 2015

lame of the Student [please in Arable]:	No: No:
netructors : Eng. Saheem Murshid	
Dr. Taleb Al-Harithi	Section: (1 , 2 , 3 , 4)
Question #1 / Fill the spaces:	(30 Marks) \6
1 are circular holes in th	e floor of the stream channel formed by
abrasion effect.  2- Environmental Geology is a b	ranch of geological sciences that studies
valuable earth geo-resources.  3 is the most upp	per & elastic layer of the Earths' mantle that
is located at the depths between 100-700k	kms.
4- Example of constructional Earth activities matter to the Earths' crust is:	es that lead to the creation/addition of new
5- Gradual cooling of magma deep under to rocks known as	rocks with texture.
many cosmetic industries.	rich in Aluminum oxides and considered as
Con Admitte	1 (Corund Dirrord

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/leizal is	***
10- The last to crystallize from the Earths' melt [magma/lava] is	
Meta morphia Rock	
11- Accumulation of fines in the soil horizon (B) forming a dense impermeable layer	r 
called 266	
12- The size of the pebble is	
13- This rock notification refers to the rock called	了是此
14- Most of the houses in Palestine are made up of local rock named	_
15- Bed load of rocks and minerals fragments is carried by the stream current in 3	-
ways; they are, a: Sp. A.J. b: b:	
c: Salfition	
16- The upper limit (surface) of the saturated zone is known as	
1/- Impermeable rocky layer is known as muld	
rock type Sedenilary V; one example is the	
18- Environmental problems associated with groundwater are many, name 3 of	
c. Solt water is non convolle b. See set jee bours 26	160 01
c. 291+ haten Pollyton reave	My ,
19- The most important Earths' wearing agent is	
The abbreviation (ppm) to measure water quality means . Part of dissolve may  When water table cuts topography we have Krast Vtopography	iban'ils
22- The river discharge is measured as follows:	
Velocity x Angua	
3- When the water table is higher the	
alled Eff   eff Stream is	
4- The rise in the groundwater level in a dug well is called	

15.Granite	14.QL	13.0	12.8	11.	10.	salt	0 9	ρ.	110	7	(5)							
anite /	14.Quartzite	13.Olivine	12.Basalt	11.Andesite	10.Coquina	salt beds	O-Quaitz	8 Oughts	Graywack	Cakhan	5.Schist	4.Breccia	(هوابط)	2 Ct-l-air	2.Biotite	1.Gneiss	Mineral	Rock or
		1	6 9	100	8		+		-	-			13.4				Single	MIN
		1											-1			edron	Single Tetrah-	ERAL S
						- Dist	7	-	-	-	1			BANAGE			3-D	TRU
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						1							X			1	Inorganic	្តាំ mScan

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Question (3)

(30 Marks)

Mach between those in column (1) with those in column (2) in the table below:

COLUMN (1)	cernun(s)
1- Finest detrital rock	(15) Corundum
2. Weathered rock and mineral fragments	((U) Gypsum X
3. Found hanged in underground caves' ceilings	(IS) Gneiss
4. Evaporate mineral	(    )-Pyroclastic \
5. Gives granite its rose color	(6) Quartz
6. Made up totally of SiO2	(S) Gold
7. Metamorphism around the volcano neck	(4) Fossil
8. Found as placer deposit	(版) Stalactite人
D. Any indicator for prehistoric life	(5) Orthoclase
O. Light coarse sandstone	(5) Regolith V
1. Lava mixed with rock fragments	(\Q) Arkose
2. Inclination of strata in sedimentary rock	(S) Diorite V
B. Rock formed due to high grade etamorphism	(5) Clay X
. Coarse grained igneous rock	(7-) Contact X
Has a hardness "9"	(N) Dip

a) Explain how dolomite is formed?

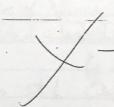
اما عن طريوم المار من الحال وعن طريد الاجلال جيث يع اجلال والم المعلال عن في اجلال والم المعلقة والاجلال عن في المعلال والمعلقة والاجلال عن في المعلقة والاجلال عن في المعلقة والاجلال عن في المعلقة والاجلال المعلقة المعلقة

5

b) Explain how piles can be used to control mass wasting?

عبارة عن مطول نه من جديد وية و فه الباطور بها ألك تعنع جركة الدولم والمهيان و توج النظال و ها و و في العام المالية عموا و المالية و المالية

c) Explain how the alluvial fans are formed in nature?



d) Explain in brief how sorting is affected by the current velocity?

عن من الرج من الرج من الرج من و الما النهر معلى و الما و الما النهر معلى بدونة و غوت برونة و المح والمح والمح والمح المرة و المح و الم