

Course No:CVL3315
Course Title: Engineering
Geology

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No. of Questions: 2
Time: 1 hr
Using Calculator (No)

University of
Palestine



Midterm Exam
Second term
2011/2012
Total Grade: 20

Instructor: _____
Student No.: _____
Student Name: _____
College Name: Eng. College
Dep. / Specialist: _____

Choose the correct answer :

- 1- The Parent material of igneous rocks is**
A) Sedimentary rock B) magma C) silicate mineral
- 2- Rocks formed from magma that crystallizes at depth are termed as**
A) metamorphic rock B) plutonic rocks C) extrusive rock
- 3- The glassy texture of igneous rocks is produced as a result of**
A) Slow cooling Of molten rock
B) rapid cooling Of molten rock
C) very rapid cooling Of molten rock
- 4- Quartz is considered as**
A) dark silicate mineral B) light silicate mineral C) non-silicate mineral
- 5- ----- an igneous rock that is very abundant and often associated with mountain building**
A) basalt B) sandstone C) granite
- 6- All of the chemical, physical, and biological changes that take place after sediments are deposited is known as**
A) sedimentation B) Lithification C) Diagenesis
- 7- The rock type that has Mud-sized particles in thin layers and the most common detrital sedimentary rock is**
A) Sandstone B) limestone C) Shale
- 8- The transition of one rock into another by temperatures and/or pressures unlike those in which it formed is known as**
A) Metamorphism B) Diagenesis C) sedimentation
- 9- ----- Occurs due to a rise in temperature when magma invades a host rock**
A) Thermal metamorphism
B) Hydrothermal metamorphism

C) Regional metamorphism

10- The parent rock of marble

A) granite B) limestone C) sandstone

11- ----- is produced when a more or less planar surface is deformed to give a waved surface.

A) Joint B) Fold C) Fault

12- The most easily weathered rock is

A) limestone B) Shale C) sandstone

13- ----- is the term given to a rock or soil mass that not only contains water but from which water can be abstracted readily in significant quantities

A) water table B) Aquifer C) Aquiclude

14- The permeability of an aquifer usually is in excess of

A) 10^5 m s^{-1} B) 10^{-5} m s^{-1} C) $10^{-15} \text{ m s}^{-1}$

15- Sandy clays provide an example for

A) An aquitard B) Aquiclude c) Aquiflode

16- The ratio of the volume of the voids to the volume of the solids is

A) void ratio B) porosity C) Specific Retention

17- The ability of rock to allow the passage of fluids into or through it without impairing its structure is known as

A) porosity B) conductivity C) permeability

18- The volume of water released from or taken into storage per unit surface area of the aquifer, per unit change in head normal to that surface is known as

A) Storage Coefficient B) Specific Retention C) fluid flow

19- In Darcy's Law, the material is assumed to be:

A) heterogeneous b) isotropic c) non- isotropic

20- Coal deposits are considered

A) sedimentary rock b) metamorphic rock c) non-rock material