

University of Bagdad Admission Exam for MSc. 2015-2016
College of Science
Dept. of Geology

Answer All questions

Q1- Which of the following formations are oil source rocks?

Chia Gara, Shiranish, Sargelu, Martha, Ahmedi, Shuaiba.

Q2 -Does secondary oil migration flow on:-

a- gas, b- oil, c- water, d- ice, e- sliding

Q3 – what are the main oil trap in Iraq?

Q4- The symbole (F) that use in casagrande's extended classification system of soil mean:

- a. Well graded material with some clay b. Well graded material
c. Uniform material d. no one of that mentioned above

Q5- how do compression, tension & shear differ from each other? What kinds of deformation does each of these cause?

Q6- which of the followings is a factor influence mass wasting:

- a. Weathering b. slope angle c. water content
d. vegetation e. all of these

Q7- clay minerals are:

- a. Hydrous Aluminium silicates
b. Mg Silicates
c. Hydrous carbonates
d. Hydrated Fe-oxides

Q8- The lower layer in the crust is rich in :

- a. Si & Fe , b. Si & Al c. Fe and Mg, d. Si & MG

Q9- Write the main differences between feldspar and amphibole mineral group.

Q10- The faster seismic wave is :

- Love wave b. S-wave c. P-wave d. R-wave

Q11- what are the objective of geophysics?

Q12- what is the relation between resistivity and conductivity?

- a. Direct b. inverse c. No relation

Q13- rock salt and rock gypsum

- a.form when silica replace limestone
- b.are the most common evaporates rocks
- c.are an alternative source of oil and natural gas
- d.are the main ores of iron.
- e.are detrital sedimentary rocks.

Q14- the chemical composition of siderite is :

- a. FeS_2 b. ZnS c. CaCO_3 d. FeSiO_4 e. BaCO_3

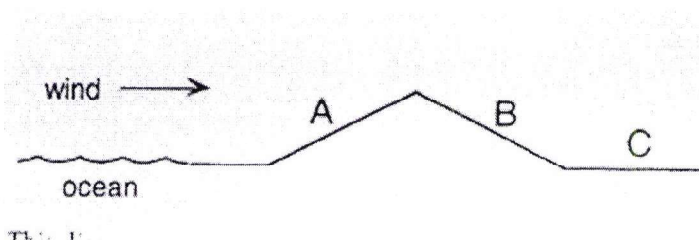
Q15- Explain briefly the rock geochemistry cycle.

Q16- With respect to the Earth's land surface, which of the following expressions is correct?

- a. precipitation = evaporation – runoff
- b. precipitation = runoff - evaporation
- c. precipitation = evaporation + runoff
- d. precipitation = evaporation * runoff

Q17- The diagram below represents a cross section through a coastal mountain range. Which of the following statements is correct?

- a. Region A would receive the most precipitation
- b. Region B would receive the most precipitation
- c. Regions C would receive the most precipitation
- d. Regions A, B, and C would receive about the same amount of precipitation



Q18- In what type of rock do most caves form?

- a. Granite b. limestone c. sandstone d. shale

Q19- The greatest recorded mass extinction event to effect the invertebrate community at the end of which period:

- a-Cambrian b-Ordovician c-Devonian d-Permian e-Silurian.

Q20-Deffine the suture line of Cephalopod and give the main types of it.

Q21- The chemical composition of miliolidae testes is:

- a-calcareous hyaline b-Arenaceous c-microgranular d- none of these.

Q22- An oval to circular fold with all rocks dipping inward toward a central point is a:

- a. basin b. plunging fold c. dome d. recumbent syncline

Q23: Rocks that show little or no plastic strain are said to be:

- a. elastic b. ductile c. brittle d. compressed

Q24 : Discuss briefly the types of plate boundaries with an example of each type.

Q25: From the following words or phrases, choose the one that best complete the sentence.

A. Meandering streams are developed where -----

- a) the running water enters standing water.
b) the running water travels over a broad floodplain.
c) streams flow away from the foot of a mountain.

B. Permanent streams exist where the -----lies above the channel bed.

- a) surface water
b) ground water
c) recharge area

C. The visible spectral band occupies a small portion of the -----

- a. electromagnetic energy
b. radar waves
c. x-ray energy

Q26: List the various types of sand dunes.

Q27: What is the role of erosion in creating mountain landscapes?