

Geology Final Exam PE-18 (online)

1. What are geochronological equivalent units of the following chronostratigraphic units - eonothem, system and series?
2. What kind of stress produces strike slip faults?
3. Briefly explain difference between breccia and conglomerate
4. What element is the universe basically composed of?
5. Briefly explain what is UTM and unit used for it?
6. What type of basins are formed in the divergent plate margins?
7. Provide with a brief definition of a sedimentary basin
8. List names of main carbonate minerals, which compose carbonate rocks
9. What is difference between hiatus and diastem?
10. Which mineral has a scale number 8 according to the Mohs scale of hardness.
11. Why Geoscience is important for petroleum engineers?
12. Discuss the differences between quartz and sandstone.
13. Discuss the differences between Venus, Mars and Earth.
14. List all key layers of the Earth top down and describe their depths.
15. Discuss key driving mechanism and movement details of lithospheric plates.
16. Explain generation mechanism of magnetic strips and their importance as a proof of the plate tectonic theory.
17. Explain factors controlling the evolution and infill of a basin.
18. Discuss mechanism of generation and types of convergent margins and provide with geographical examples.
19. Discuss which types of bedforms are generated by unidirectional current.
20. Discuss which types of bedforms are generated by wind

21. Explain difference between primary and secondary sedimentary structure and their key types.
22. Discuss porosity, types and controlling factors.
23. Give definition of Strike and Dip, explain units, format and usage for measurement of bedding.
24. List and briefly explain all Principles of Stratigraphy.
25. Explain what is Chemical Stratigraphy and its types.
26. Give definition of Structural Geology and explain structural features.
27. Explain dependence on rock's respond to stress.
28. List and explain main terms to describe a fold.
29. List and explain different types of geological maps.
30. Briefly explain (without illustration) all key consequent steps of technique for drawing of cross-section from a structure contour map.