

Quaid-i-Azam University
Department of Earth Sciences

Sample Paper for M.Phil. admission Test

- 1) Clay particles have a diameter of less than
(a) $4\ \mu m$ (b) $20\ \mu m$ (c) $64\ \mu m$ (d) $100\ \mu m$
- 2) The kink bands and chevron folds are characterized by their
(a) Straight limbs (b) Sharp angular lines (c) Symmetrical nature (d) Both (a) and (b).
- 3) In gravity survey, if an observation point is at a higher elevation than the datum then the Bouger slab correction must be
(a) Added (b) balancing (c) subtracted (d) all of these
- 4) Excessive pumping in relation to recharge can cause
(a) water table to decline (b) a cone of depression to form (c) well to go dry
(d) all of these
- 5) The hyperbolic pattern of reflections in cdp gather is due to the
(a) Ground roll (b) Deconvolution (c) Normal move out (d) Multiples
- 6) What property must a cap rock have in order to trap hydrocarbons?
(a) Very hard (b) Porous (c) Impermeable (d) Igneous
- 7) Which of the following might be considered as the fourth dimension in GIS?
(a) Time. (b) Scale. (c) Space. (d) Location
- 8) Paleomagnetism gives a permanent record of Earth's past magnetic field. It supports the idea of
(a) Continental Drift (b) Solid inner core, (c) Cold regions beneath crust
(d) Hotspots
- 9) Which of the following materials has the highest porosity?
(a) Clay (b) Silt (c) Gravel (d) Sandstone
- 10) The Elastic Rebound Theory is associated with
(a) Earthquakes (b) Volcanoes (c) Continental drift (d) Atmospheric pressure