

4th Semester  
B.E.(Mining Engineering) Final Examination,2013  
Sub: Introduction to Geology  
(GEO—401)

Full Marks:70

Time: 3 hrs.

Answer all the questions  
All questions carry equal marks

1.Describe i)Colour ii)Hardness iii)Cleavage of mineral  
State natural scheme of classification of minerals

2.Define i)Strike &ii)Dip of an inclined bed.A bed is dipping  
 $50^{\circ}$ → $45^{\circ}$ a)What is its strike? Plot the dip data.

3 State criteria for recognition of faulting.

4.Describe any two rocks i)Granite ii) Basalt iii)Sandstone  
iv)Marble

5.Draw diagrams to illustrate omission of strata due to faulting