The Assam Royal Global University, Guwahati

Royal School of Environmental and Earth Sciences B.Sc. Geology 2nd/4th Semester Semester End Examination, July 2022

Course Title: Earth Resources Course Code: GEOL162G202/GEOL162G402

Time ? House

70

1+5+8

,	Max		aimum Marks: 70	
		Note: Attempt all questions as per instructions given. The figures in the right-hand margin indicate marks.		
		Section – A		
1	•	Attempt all questions. (Maximum word limit 50)	2 x 8	
	a.	Define Ore. Add a note on Gangue material.		
	b.			
	c.			
	d.			
	e.	the second renewable and non-renewable resources.		
	f.	How are natural oil and gas formed?		
	g.	ponti and raci cons.		
	h.	Define Nuclear Fusion and Nuclear Fission.		
		Section – B		
2.		Attempt any two of the following:	6 x 2	
	a.	Write briefly on the classification of mineral deposits on the basis of the to exploration.	eir potentiality	
	b.	Write briefly on Open cast mining.		
	c.	Write briefly on importance of Geology in exploration of minerals.		
3.		Attempt any two of the following:	7 x 2	
	a.	Write detail note about significance of renewability.		
	b.	What is Primary and Secondary Energy? Give examples.		
	¢.	Put your view in brief, why we should conserve energy rather wasting it.		
4.		Attempt any two of the following:	7 x 2	
	a.	Write a detailed note on major types and sources of energy.		
	b.	Describe the process of generation of coal.		
	c.	Illustrate the potential of solar energy and wind energy.		
5.		Attempt any one of the following:	14 x 1	
	a.	Elaborate the principle of Hydroelectric power generation. Also add a note	on its	
		potential and current scenario in Indian context.	8+3+3	

b. Define Groundwater. Describe the various types of aquifers (add diagram). Write a note on the role of groundwater in the economic development of a country.