Damietta University Faculty of Science Geology Department



4th year special Geology Code:409G **Practical Exam**

Final Exam August 2020

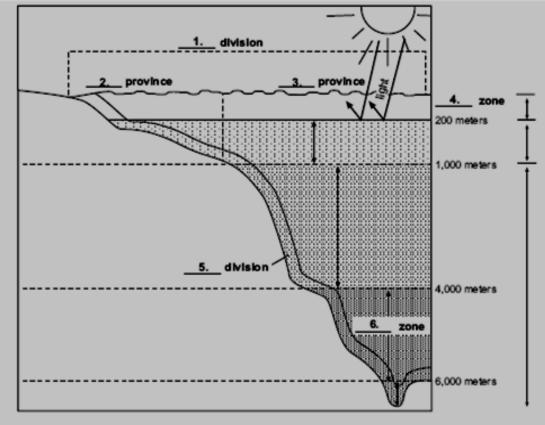
Marine Geology & Paleoclimate and Remote Sensing Total (90 Marks)

	Part one Remote sensing		
(Q1) Choose the correc	t answer	30 Marks	
 The temporal resolution days 	of Landsat 8 is 16 days	14 days	
2. In ASTER, SWIR bands True	s are band 6 to band 9	False	
3. The spatial resolution of 30 m	f the Panchromatic band in ETI 15 m	M7 is 90 m	
4. The spatial resolution of 60 m	TIR bands in ASTER is 30 m	90 m	
5. In ENVI 4.8, Which me Classification	nu enables you to do Band ration Basic tools	O Transform	
6. In Landsat 7, thermal ba True	ands are band 5	False	
7. The temporal resolution 15 days	of ASTER is 16 days	17 days	
8. The bands of blue, green 1,2 and 3	and red bands in Landsat 8 ar 2,3 and 4	e 3,4 and 5	
9. Which bands in Landsa that may not be visible in1	t 8 provide detection of high-al other spectral bands. 9	titude cloud contamination 7	
10. In ENVI 4.8, which mo	enu enables you to Rotate imag Basic tools	ge Filter	

(Q2) Complete the following sentences	(15 marks)
1) Examples of low pass special filtering are and filter	ers.
2) Types of image classification are and	
3) Application for geostationary orbits includes, and	
4) There are two types of coordinate systems and	••
5) Types of image file formats are and	

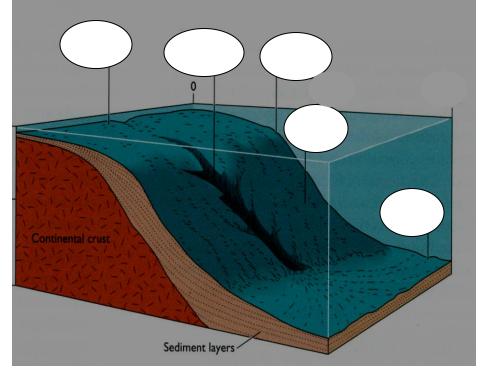
Part Two Marine and Paleoclimate

1-Write the correct name of each zone or division on the following diagram: 15 Marks

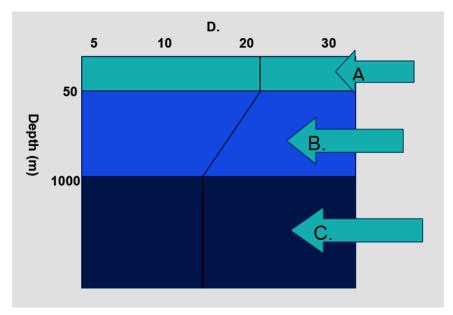


2- Label the following submarine features

15 Marks



a. Label boxes A - C according to the name of the ocean layer.



b. Looking at the shape of the curve displayed on the graph, what do you think the values on the x-axis (letter D) represent? Why?