



Damietta University
Faculty of Science
Botany Department
2nd Year Examination

Damietta University
1st Semester
(Jan 2025)

Environmental Geology
Code: (206 ب ع)
Time: 2 Hours
Full Mark: 90 degree

Answer with simple sketches the following questions: (90 degree)

- 1) Explain the following: (24 degree)
- How Cave, Blowhole, Arches, Stacks and Stumps are formed?
 - Slumps and Slides.
 - Breakwaters.

- 2) What will be the expected shapes of the shores after their protection by the following detached breakwaters? (9 degree)

Shore Site	Breakwater Length (m)	Distance between Breakwater and Shoreline (m)
A	200	300
B	200	180

- 3) Discuss the following: (24 degree)
- Prevention and mitigation Mass Movement hazard.
 - Solifluction and Creep.
 - Groins.

- 4) Compare between the following beach sediments. (9 degree)

Area	Mz (\emptyset)	\emptyset_1 (\emptyset)
Ras El-Bar	3.70	0.40
Gamasa	2.60	0.30

- 5) Explain the following: (24 degree)
- Beach cusps.
 - Spring and Neap Tide (Tidal patterns).
 - Different Types of Tides observed around the Globe.

Best regards

Prof. Dr. M. Abdel Galil