



Damietta University

Faculty of Science

Environmental Sciences Department

2nd Year Examination (2022-2023)

1st Semester

Environmental Geology

Code: (201 ب)

Time: 2 Hours

Full Mark: 70 degree

Answer the following questions: (70 degree)

1) Compare with simple sketches between the following: (18 degree)

- a) Solifluction and Creep.
- b) Slumps and Slides.
- c) Spring and Neap Tides.

2) What will be the expected shapes of the shores after their protection by the following detached breakwaters parameters? (7 degree)

Shore Site	Breakwater Length (m)	Distance between Breakwater and Shoreline (m)
A	300	540
B	300	240

3) Discuss with simple sketches the following: (18 degree)

- a) Different types of Tides.
- b) Beach cusps.
- c) Groins.

4) Explain the following: (27 degree)

- a) How gravity and slope gradient influence slope stability.
- b) Prevention and Mitigation Mass Movement Hazard.
- c) How headlands erode over time.

Best regards

Prof. Dr. M. Abdel Galil