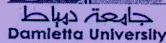


- 1-is a dynamic and iterative process to promote sustainable management of coastal zones.
- 2- Inzone, friction between waves and seabed may cause distortion of wave shape.
- 3- The seafloor depth is derived by measuring therequired for a signal to travel from a transmitter, to the bottom, and back to a receiver.
- 4-are elevated areas of sediment that form parallel to shoreline by deposition of sediment carried by waves



Damietta University
Faculty of Science
Environmental Science Department

First Semester Exam
Date: 13/1/2024

Coastal Zones Management Examination
For 2nd Year Environmental Science Students' (Course Cod: 204)

Question 1

Complete the following sentences: (40 marks)

- 5- Coastal morphodynamics is interaction of coastal morphology withagents.
- 6- After breaking, the waves in surf zone are referred to as waves of
- 7- Longshore Currents are driven byangle of wave approach.
- 8- Lagoons can have varying salinity levels depending on factors such as,....., and.....
- 9-is a common erosion process in which the steep, exposed face of a dune is eroded by wind or water.
- 10- The size of the waves depends on factors such as,, and
- 11- Constructive waves are typically associated withslopes.
- 12- In..... erosion process, waves cause rocks on the shore to smash into each other and break down.

- 13- Rip currents are often caused by the interaction between longshore currents and the coastal.....
- 14-is a type of mass movement when saturated soil slumps down a curved surface.
- 15- Sea....., are natural opening eroded out a cliff face by marine processes.
- 16- is a series of waves created by vertical disturbance in the ocean.

Question 2 (30 marks)

Discuss the following

- 1- Factors influencing types of tides.
- 2- Sand dunes: definition, shapes, factors, and their formation.
- 3- Revetments.

Best wishes

Dr. Rasha Abou Samra