

**CIVL 5076 Coastal Engineering
Fall Semester 2005**

Quiz No. 2

Name:

ID #:

Total marks: 10

Time allowed: 30 minutes

Attempt all the questions.

1. Write down the types of breaking waves commonly observed. [1.5]

Answer:

(a)

(b)

(c)

2. What is the difference between wave set-up and wave run-up? [1.5]

Answer:

3. Which law governs the wave refraction of water waves? [1]

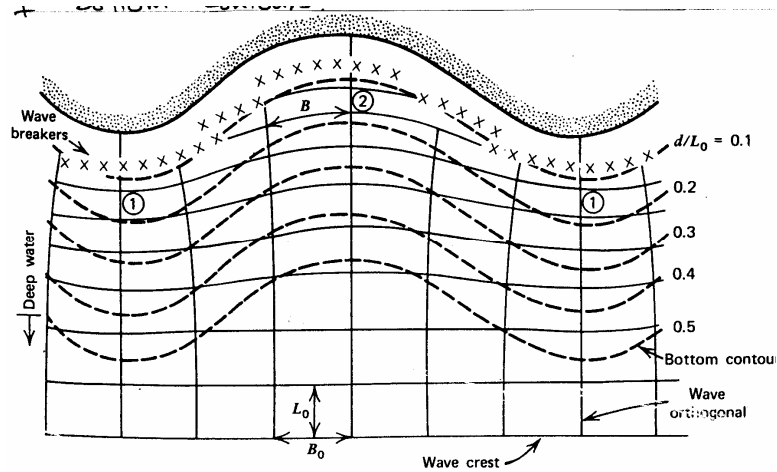
Answer:

4. What is a *Clapotis*? [1]

Answer:

5. Explain the refraction of waves with reference to the following equation considering the sketch shown below. [3]

$$\frac{H}{H_0} = \sqrt{\frac{n_0 L_0}{n L}} \sqrt{\frac{B_0}{B}}$$



Answer:

6. The wave breaking takes place when the ratio of two wave properties reaches a critical value. What are those parameters and what is the name used for their ratio? [2]

Answer: