

CIVL 5076 Coastal Engineering
Fall Semester 2005
Quiz No. 3

Name :

ID#:

Date:

Total marks: 10

Time allowed: 30 minutes

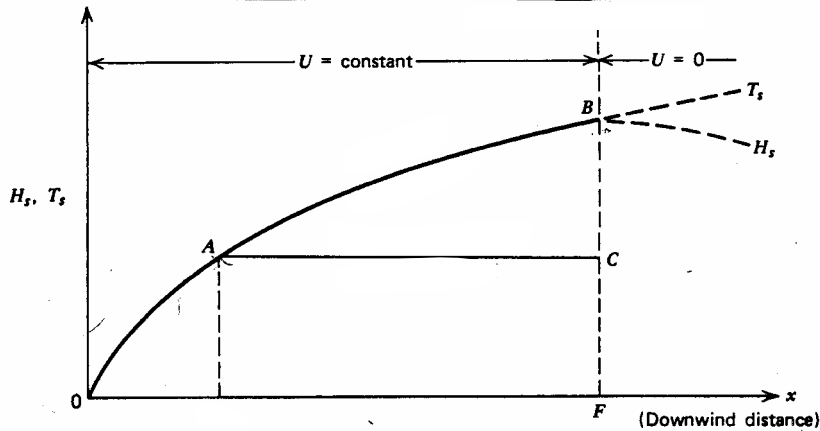
Attempt all the questions.

1. If F , C_g and t_d represent fetch, group celerity and duration of wind, respectively, which of the following represents fetch limited condition. [1]

- (a) $t_d > F/C_g$ (b) $F/(C_g t_d) > 1$ (c) $t_d < F/C_g$ (d) $F < C_g t_d$

Answer:

2. In the following figure which curve represents the duration limited condition, OAB or OAC? Briefly explain what is meant by duration limited condition. [2]



Answer:

3. Define significant wave height and significant wave period. [1]

Answer:

4. Briefly explain what is zero-up crossing method and where is it used. [2]

Answer:

5. Write down any two factors affecting the tides as they propagate to the continental shelf and bay area [1]

(a)

(b)

6. What is LAT and HAT? How do we find them? [2]

Answer:

7. Write down any two causes of tsunami? [1]

Answer:

(a)

(b)