

**CIVL 3066 Engineering Hydrology
Spring Semester 2006**

Quiz No. 3

Name:

ID #:

Total marks: 10

Time allowed: 30 minutes

Attempt all the questions.

1. In which situation phi-index method cannot be used for determining abstractions.

[1]

Answer:

2. In how many groups the soil is divided according to SCS method of abstractions?

[1]

Answer:

3. Write two effects of urbanization on the watershed hydrograph.

[2]

Answer:

(a)

(b)

4. What is the effect of rainfall intensity on the friction factor?

[1]

Answer:

5. Rearrange the following watersheds in the order of decreasing impermeability. [2]

- (a) watershed with curve number of 50, (b) watershed with 100% paved area,
- (c) watershed with 50% pavement and 50% compacted clay
- (d) watershed with good forest cover.

Answer:

6. Define *excess rainfall*? [1]

Answer:

7. Define the term *maximum potential retention* used in SCS method of abstractions. [2]

Answer: