Assignment 2

Due on 2026-02-12, 23:59:57

1. The use of sieve or slit filters to achieve improved performance by allowing a number of
   small number of large size particles to move through the filter in a shorter time.
   
2. When the diaphragm is small, the flow of water is less and when the filter diaphragm is large, the
   flow of water is more.
   
3. Ammonium carbonate does not add any nutrient to the water.

4. The following pie chart shows the percentage of different types of materials used in
   concrete.

5. The compressive strength is generally affected by the use of high-performance concrete (HPC).

6. The amount of water in a concrete mix directly affects the slump.

7. The slump of the concrete mixture can be done by using a slump cone.

8. The slump of the concrete mixture is affected by the water-cement ratio.

9. The maximum size of coarse aggregate used in concrete mix is around

10. Ammonium nitrogen reacts with calcium carbonate to form calcite and other minerals.

11. The compressive strength of concrete increases with the increase in water-cement ratio.

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