Quiz

ANSWER KEY

QUIZ NO: 754

TOPIC: IRRIGATION ENGINEERING

DATE: 02/09/2023

1. **For no tension to develop in the gravity dam, the eccentricity 'e' of the resultant force should be**

   [A] Less than b/3

   [B] Less than b/6

   [C] Less than b/4

   [D] Less than b/12

   Answer: B

2. **For a reservoir with depth of water equal to H, the top width 'a' is given by the expression?**

   [A] 15 % of H

   [B] 14 % of H

   [C] 17 % of H

   [D] 16 % of H

   Answer: B

3. When the reservoir is full, the slope which is most likely to slide is:

[A] u/s slope

[B] d/s slope

[C] Both a and b

[D] None of them

Answer: B

4. An elementary triangular concrete gravity dam, supporting 60 m height of the reservoir water and full uplift, should have a minimum base width equal to:

[A] 36 m

[B] 39 m

[C] 51 m

[D] 61 m

Answer: D

5. The height difference between top of the dam and normal pool level is known as:

[A] Surcharge storage

[B] Net free board

[C] Gross free board

[D] Sluice way

Answer: C

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6. **Average yield of a storage reservoir is the arithmetic average of its:**

   [A] Firm yields over a long period

   [B] Secondary yields over a long period

   [C] Firm and secondary yield over a long period

   [D] Reservoir yield over a long period

   Answer: C

7. **Yield of a reservoir represents**

   [A] Inflow into the reservoir

   [B] Capacity of the reservoir

   [C] Outflow demand on the reservoir

   [D] Optimum value of the catchment yield

   Answer: C

8. **The volume of water stored in the reservoir which is available for drawing through sluices:**

   [A] Live storage

   [B] Dead storage

   [C] Surcharge storage

   [D] Valley storage

   Answer: A

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9. The amount of water stored in river channel without any artificial storage is known as

    [A] Dead storage

    [B] Dam

    [C] Valley storage

    [D] Diversion dam

Answer: C

10. The volume of water stored between normal pool level and maximum pool level is called…..?

    [A] Surcharge storage

    [B] Useful storage

    [C] Dead storage

    [D] Valley storage

Answer: A

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