

QUIZ NO: 747

TOPIC: IRRIGATION ENGINEERING

DATE: 12/08/2023

1. 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] Compression

Answer: C

2. 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] Quick Setting Cement

Answer: C

3. 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

4. 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

5. 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

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6. 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

7. The maximum quantity of water that can be guaranteed during a critical dry period is known as.....?

- [A] Firm yield
- [B] Secondary yield
- [C] Average yield
- [D] None of the above

Answer: A

8. The percent of inflowing sediment which is retained in a reservoir is called:

- [A] Efficiency
- [B] Dead storage
- [C] Storage efficiency
- [D] Trap efficiency

Answer: D

9. 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

10. The base width of a solid gravity dam is 25m. The material of the dam has a specific gravity of 2.56 and the dam is designed as an elementary profile ignoring uplift. What is the approximate allowable height of the dam?

- [A] 64 m
- [B] 40 m
- [C] 164 m
- [D] 80 m

Answer: B

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