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ANSWER KEY

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





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3.	Yield	of a	reservoir	represents	:
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- [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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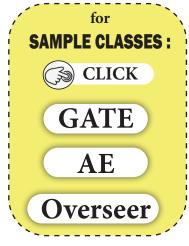


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(5. The volume of water stored between normal pool level and maximum pool level is called?				
	[A] Surcharge storage				
	[B] Useful storage				
	[C] Dead storage				
	[D] Valley storage				
	Answer: A				
7.	The maximum quantity of water that can 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				





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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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