

**QUIZ NO: 542**

**TOPIC: IRRIGATION**

**DATE: 15/02/2022**

1. What is known as a water tight enclosure made up of sheet pile walls, usually temporary built around a working area for the purpose of excluding water during construction?

- [A] Cofferdam
- [B] Bulk head
- [C] Penstock
- [D] Box caisson

**Answer: A**

2. 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**

**3. The seepage line through an earthen dam is called.....?**

- [A] Rock fills
- [B] Staunching walls
- [C] Gallery
- [D] Phreatic line

**Answer: D**

**4. The movement of water under or around a structure built on permeable foundation is called.....?**

- [A] Crest
- [B] Yield
- [C] Discharge
- [D] Seepage

**Answer: D**

**5. The C.B.L of a canal and H.F.L of a drain at their crossing point are, respectively 216 m and 214 m. The adopted cross drainage work here will be a:**

- [A] Super passage
- [B] Siphon
- [C] Aqueduct
- [D] Siphon aqueduct

**Answer: C**

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**6. The hydraulic structure in which the drainage and canal are at the same level is called.....?**

- [A] Aqueduct
- [B] Super passage
- [C] Level crossing
- [D] Canal syphon

**Answer: C**

**7. The flow mass curve is graphical representation of:**

- [A] Cumulative discharge and time
- [B] Discharge and percentage probability of flow being equalled or exceeded
- [C] Cumulative discharge, volume & time in chronological order
- [D] Discharge and time in chronological order

**Answer: C**

**8. If the operating head on an Ogee spillway is more than the design head, then**

- [A] Pressure on the crest will be zero
- [B] Pressure on the crest will be negative, causing cavitation
- [C] Pressure on the crest will be positive
- [D] Discharge coefficient of the spillway will be reduced

**Answer: B**

**9. The canal escapes which are provided only on the head reaches of the main canal are called:**

- [A] Surplus water escape
- [B] Canal scouring escape
- [C] Tail escape
- [D] None of the above

**Answer: B**

**10. Vertical openings provided in the dam to connect galleries at various levels are called:**

- [A] Drainage gallery
- [B] Keys
- [C] Shafts
- [D] Water seal

**Answer: C**

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