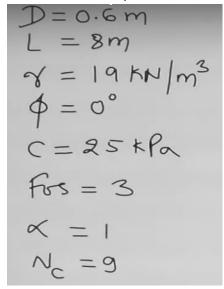
GATE 2023 Civil Engineering Part 2 Question Paper PDF (Memory Based)

Question. Find Q_{ap} (allowable load)



Answer. $Q_{ap} = 146.87 \text{ kN}$

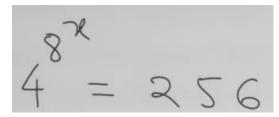
Question. Match the following

Column I	Column II
Р	(I) precipitation
Q	(II) Flood frequency
R	(III) Evapo transpiration
	(IV) infiltration
	(V) Channel Routing

Answer. P - IV, Q - V, R - III



Question. Find x



Answer, 0.5

Question. Which of the following is/are not active disinfectants?

- A. CI
- B. O₃
- C. OCI-
- D. OH

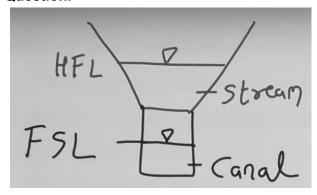
Answer. D

Question. Kind :___:: often : seldom

- A. Cruel
- B. Kindness
- C. Variety
- D. Type

Answer. A

Question.



- A. Level crossing
- **B.** Siphon Aqueduct
- C. Aqueduct
- D. Super Passage

Answer. D



Question.

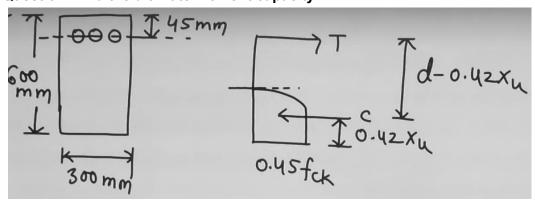
Answer. 38 kPa

Question. SSD equals to:

- A. Brake distance
- B. Brake distance + distance travelled during reaction time
- C. Brake distance distance travelled during reaction time
- D. distance during reaction time

Answer. B

Question. Find the ultimate moment capacity?



Answer. 300.95 KN - m



Question. d^3y/dx^3 - 5.5 d^2y/dx^2 + 9.5 dy/dx - 5 = 0 Sol: c_1e^{m1x} + c_2e^{m2x} + c_3e^{m3x} , m_3 = 2.5 then m_1 + m_2 = ?

Answer. 3

