

CVL 771 Minor Exam

Solve any three groups of set.

Plus Numerical Exam

Marks $25 \times 3 = 60$ plus 25 marks Numerical

SET 1

Q1. What is the Bogue's compound? Explain how they contribute to strength?

Q2. write down two good and two bad ways of placing concrete.

Q3. How does flaky aggregate effect the mixing process of concrete?

SET 2

Q4. Explain how we find SSD condition of Sand as per ASTM? Explain how we can find specific gravity of sand. Do we have to take care of entrapped air? How do we do it?

Q5. While mixing Atta with right quantity of water, why does it look dry? What happens after that? How is it similar to concrete?

Q6. Draw schematic representation of true, shear and collapse slump.

SET 3

Q7. What is absorbed and adsorbed water in fine particulate system? How is it taken care in concrete mixing?

Q8. Draw the schematic representation of moisture in aggregate.

Q9. How rounded and angular shaped aggregate affects the workability and strength of concrete?

SET 4

Q10. Explain Gap and well graded concrete with graph?

Q11. PPC vrs Cement plus fly ash - Compare and Explain

Q12. What is meant by honeycombing in concrete?