



ELIZADE UNIVERSITY, ILARA MOKIN

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

COURSE: CVE 505: WATER RESOURCES ENGINEERING

INSTRUCTION: ANSWER ANY FOUR (4) QUESTION TIME ALLOWED: 2HRS

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Q.1 a) What is open channel?

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b) Mention the types of open channel that you know. Illustrate your answer with labeled diagrams.

c) Classify channel according to

i) their internal conditions, and ii) according to their nature. Support your answer

Q.2 a) Explain what you understand by runoff and its occurrence.

b) Mention and explain five factors that affect the formation and volume of runoff.

c) Explain two engineering of controlling runoff.

Q. 3 a) Define the following terminologies:

i) Hydraulic Structures.

ii) Dam

iii) Weir

iv) Spillway

v) Flood

b) Mention and describe five types of dams that you know.

c) Enlist the step-by-step processes of selecting axis for a dam before design.