Reg. No
Signature
IN ENGINEERING/TECHNOLOGY/ CIAL PRACTICE — OCTOBER, 2017
ON ENGINEERING
[Time: 3 hours
num marks: 100)
PART — A
mum marks: 10)
Marks
sentences. Each question carries 2 marks.
ndia.
ogical cycle ?
$(5\times2=10)$
PART — B
mum marks: 30)
questions. Each question carries 6 marks.
working of a Simon's non-recording rain gauge.
re its functions ?
construction of a head work?

5. What do you mean by rotation of crops? List its advantages.

7. What are the causes for the common failures of earth dams?

6. Explain the classification of canals.

 $(5 \times 6 = 30)$

PART — C

(Maximum marks: 60)

(Answer one full question from each unit. Each full question carries 15 marks.)

Unit - I Ш (a) Explain the different types of irrigation. (b) What are the various methods to improve duty. OR (a) Define the following: Duty, Delta, Base period, Crop period. (b) Derive a relation between Duty and Delta. Unit -- II (a) Differentiate: Weir and Barrage. (b) Explain the working of a fish ladder. (a) Explain different classification of head works. (b) Explain the terms: (i) Divide wall (ii) Head regulator. Unit -- III VII (a) Explain the site suitable for an earth dam. (b) What are the causes of structural failure of earth dam and list the precautions. OR (a) Draw a typical section of an earth dam showing the important parts and water VIII levels. (b) Explain the terms: (i) Drainage in earth dam (ii) Tank sluice Unit -- IV (a) What are the causes of soil erosion? Give its preventive measures. (b) What is canal lining? What are its advantages? 7 OR (a) Define the terms:- berm, regime channel, land reclamation, aqueduct. 8 (b) Give the types of alignment of canal. 7