

PGDWR-02

June - Examination 2018

PGDWR Examination**Need for Integrated Water Resources Management****Paper - PGDWR-02****Time : 3 Hours]****[Max. Marks :- 100**

Note: The question paper is divided into three sections A, B and C. Write answers as per the given instructions.

Section - A**10 × 2 = 20**

(Very Short Answer Type Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 2 marks.

- 1) (i) Why we need for farmers participation?
- (ii) What is watershed and IWDF?
- (iii) How much is Chambal Command C.C.A.
- (iv) How much is G.C.A. of Chambal Command?
- (v) Constraints in implementing drainage projects-mention points.
- (vi) What are factors affecting the cost of subsurface drainage?

- (vii) Benefits of drainage - mention points only.
- (viii) What is microlevel drainage?
- (ix) Write names of drainage line treatment structures in lower reaches.
- (x) Explain Log dams.

Section - B**4 × 10 = 40****(Short Answer Questions)**

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) Mention in detail - Gabion Cheek Dams.
- 3) Please give details of drop spill way.
- 4) What is ram water management?
- 5) What do you mean by rising water table in command area?
- 6) Write soil factors which influence Drainage.
- 7) Traditional insitu water harvesting structures.
- 8) What is form Pond?
- 9) Write key words what is?
 - Water harvesting
 - Tanka
 - Nadi
 - Khadeu
 - Nallah bunding

Section - C**2 × 20 = 40**

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum up to 500 words. Each question carries 20 marks.

- 10) What is command area development?
 - 11) Net work planning - Explain.
 - 12) What is IWAM concept?
 - 13) Explain design of open drains.
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