

PGDWR-02

December - Examination 2015

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 given instructions.

Section - A

10 x 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 upto 30 words. Each question carries 2 marks.

- 1) (i) What are log dams?
- (ii) Mention the factors affecting watershed management.
- (iii) Define surface ponding.
- (iv) What is drainage rate?
- (v) Define sustainability.
- (vi) Explain Khadin.

- (vii) Define anicut.
- (viii) Explain participatory irrigation management.
- (ix) What is Chak?
- (x) Define drop spillway.

Section - B

4 x 10 = 40

(Short Answer Questions)

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

- 2) Make a note on drainage and environment.
- 3) What is vegetative check dam?
- 4) Explain rain water management.
- 5) Define rainfed induced water logging.
- 6) What is nalla bunding?
- 7) Explain the advantages of land shaping.
- 8) Mention the mechanical equipments for land grading.
- 9) What are the factors which influence the watershed management?

Section - C

2 x 20 = 40

(Long Answer Questions)

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

- 10) What are the soil conservation measures in watershed management?
 - 11) Explain the impacts of water logging problem.
 - 12) Explain global scenario of farmer's participation in irrigation management.
 - 13) What are the merits and demerits of command area development programme?
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