

PGDWR-02

June - Examination 2019

PGDWR Examination**Need and concept of 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 × 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) What are log dams?
- (ii) Mention the factors affecting watershed management.
- (iii) Define surface ponding.
- (iv) What are the functions of WUA?
- (v) How can we make people participation sustainable?
- (vi) Mention the methods of rainwater harvesting.
- (vii) Write the Inglis formula.

- (viii) Explain participatory irrigation management.
- (ix) What is watercourse?
- (x) Define Drop spillway.

Section - B**4 × 10 = 40**

(Short Answer Questions)

Note: Answer any 4 questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) What is vegetative check dam?
- 3) Explain rain water management.
- 4) Define rainfed induced water logging.
- 5) What are the main causes of system degradation, define briefly with examples?
- 6) Explain the procedure generally used for performance evaluation of irrigation projects.
- 7) Explain the advantages of land shaping.
- 8) Mention the mechanical equipments for land grading.
- 9) What are the factors which influences the watershed management?

Section - C**2 × 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) What is the global, national and state scenario of people participation particularly in water management?
 - 12) Explain global scenario of farmer's participation in irrigation management.
 - 13) What are the main advantages and disadvantages of open drains?
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