



MONAD UNIVERSITY HAPUR (UP)
(DEPARTMENT OF AGRICULTURE SCIENCE & ENGINEERING)

Programme : M.Tech.(S.W.C.)III^{Sem}
Course Name : WATERSHED DEVELOPMENT AND MANAGEMENT
Course Code : MT-AGS-211
Assignment No : II

Due date of submission: 23.10.2017

Instruction

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q.1:-

(a) Describe the concept of watershed development and management.

(b) What do you mean by problems of land degradation? Explain.

Q2:-

(a) Explain the techniques for dry land farming based on watershed characteristics.

(b) Explain the development and management of grassland.



MONAD UNIVERSITY HAPUR (UP)
(DEPARTMENT OF AGRICULTURE SCIENCE & ENGINEERING)

Programme : M.Tech.(S.W.C.)III^{Sem}
Course Name : DRAINAGE OF AGRICULTURAL LAND
Course Code : MT-AGS-212
Assignment No : II

Due date of submission: 23.10.2017

Instruction

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q.1:-

- (a) Describe the management of drainage projects of water-logged and saline soils.
- (b) Explain the theories of vertical drainage and multiple well point system.

Q.2:-

- (a) Describe the salt balance, leaching requirement and management practices under drained conditions.
- (b) Mention about the design of different components of sub-surface drainage systems.



MONAD UNIVERSITY HAPUR (UP)
(DEPARTMENT OF AGRICULTURE SCIENCE & ENGINEERING)

Programme : M.Tech.(S.W.C.)III^{Sem}
Course Name : WATERSHED HYDROLOGY
Course Code : MT-AGS-213
Assignment No : II

Due date of submission: 23.10.2017

Instruction

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q.1:-

- (a) Mention about the concept of hydraulic flood routing.
- (b) What is hydrograph analysis? Explain.

q.2:-

- (a) Describe the concept of different types of hydrologic models for simulation of hydrologic problems.
- (b) Describe the measurement and analysis of hydrologic parameters.



MONAD UNIVERSITY HAPUR (UP)
(DEPARTMENT OF AGRICULTURE SCIENCE & ENGINEERING)

Programme : M.Tech.(S.W.C.)III^{Sem}
Course Name : DESIGN OF FARM IRRIGATION SYSTEMS
Course Code : MT-AGS-214
Assignment No : II

Due date of submission: 23.10.2017

Instruction

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q.1:-

- (a) Describe the preliminary design criteria of sprinkler irrigation system.
- (b) Mention about the different types of irrigation efficiency.

Q.2:-

- (a) Explain the design of border and furrow irrigation.
- (b) Explain the methods and concepts of sub Irrigation.



MONAD UNIVERSITY HAPUR (UP)
(DEPARTMENT OF AGRICULTURE SCIENCE & ENGINEERING)

Programme : M.Tech.(S.W.C.)III^{Sem}
Course Name : DAMS & RESERVOIR OPERATIONS
Course Code : MT-AGS-215
Assignment No : II

Due date of submission: 23.10.2017

Instruction

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q.1:-

(a) What do you mean by foundation treatment? Explain.

(b) Mention about Earth dams and their types.

Q.2:-

(a) What are the causes of failure & remedial measures earth dams?

(b) Describe the spillway, spillway capacities and spillway gates.