



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 : I

Due date of submission: 11.09.2017

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 needs and importance of watershed.
- (b) What do you mean by hydrologic cycle? Explain its elements also.

Q2:-

- (a) Explain the collection of hydrological data used in weather forecasting.
- (b) Explain the needed and importance of soil and water conservation.



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

Due date of submission: 11.09.2017

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 are the theories and applications of surface and sub-surface drainage?
- (b) Explain the horizontal sub-surface drainage.

Q.2:-

- (a) Describe the steady state, unsteady state drainage equations for layered and non-layered soils
- (b) Mention the principle and applications of Glover Dumm and Kraijenhoff-van-de leur equations.



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

Due date of submission: 11.09.2017

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 hydrologic processes and its systems.
- (b) What are hydrologic problems of small watersheds? Explain.

q.2:-

- (a) Describe the Hydrologic characteristics of watersheds.
- (b) Define run-off and explain the factor affecting of run-off.



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

Due date of submission: 11.09.2017

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) How many types of runoff computation method? Explain every one.
- (b) Mention about principles and concept of Irrigation.

Q.2:-

- (a) Explain the importance of water in plant life.
- (b) How many types of Surface irrigation? Explain every one.



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

Due date of submission: 11.09.2017

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 classification of Dam.
- (b) Mention about Suitable site selection for dams & reservoirs.

Q.2:-

- (a) Explain the Type of concrete dams.
- (b) Describe the Methods of design of gravity dams.