



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

Programme : Diploma (Ag.Engg.)
Course : Hydraulics
Course Code : DAGE-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) What is pressure? How many types of instruments used for measurement of pressure?
- (b) Mention about the types of orifices.

Q2.

- (a) Describe the Bernoulli's theorem and its limitation.
- (b) Explain the working principle of centrifugal pumps with a suitable sketch.



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Programme : Diploma (Ag.Engg.)
Course : Basic Soil Science
Course Code : DAGE-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:-

- (i) Explain with physical and chemical properties of soil.
- (ii) How many types of soil water? Explain its composition.

Q.2:-

- (i) Describe the methods of measurement of soil moisture constant.
- (ii) Define soil forming. Explain the roles of weather processes in soil formation.



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Programme : Diploma (Ag.Engg.)
Course Name : Farm Power Engineering & Non Conventional Sources of Energy
Course Code : DAGE-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) Explain the different types of cooling system used in I.C. engine.
- (b) Explain the working principles of force circulation lubrication system in engine.

Q2.

- (a) Write down the classification of governing system and explain the working principle of hit and miss governor system in an engine.
- (b) What do you mean by fuel test? Explain.



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Programme : Diploma (A.G)
Course Name : **Agricultural Process Engineering**
Course code : DAGE-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) Explain the sources of fruit, vegetables and raw materials.
- (b) Explain the mechanical handling of agricultural product.

Q2.

- (a) Mention about the seed production technology.
- (b) Describe the different types of methods of preservation of food.