



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

Programme : B.Sc (Ag) I<sup>st</sup> Semester

Course Name : Principle of Agronomy

Course Code : BSCAG- 111

Assignment No: 1

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.**

I- Define Agronomy. Explain the Scope of Agronomy & write the role of Agronomist in crop production.

II-Define seed bed. Explain the characteristic features of seed bed.

**Q-2.**

I- Define Crop. Explain the classification of crop on the basis of special utilization.

II- Explain the monitory & non monitory factors of crop yield.



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Programme : B.Sc (Ag) I<sup>st</sup> Semester

Course Name : Fundamental of soil science

Course Code : **BSCAG- 112**

Assignment No: 1

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.

I- Define rocks. Explain the classification of igneous rocks.

II- Define mineral. Explain the general properties of minerals.

Q.2.

I- “Soil as a medium of plant growth” Explain it.

II- Explain the components of soil.



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Programme : B.Sc (Ag) I<sup>st</sup> Semester

Course Name : Elements of Genetics

Course Code : **BSCAG- 113**

Assignment No: 1

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 is genetics? Write role of genetics in crop improvement.
- (b) What are chromosomes? Describe special types of chromosomes with structure.

**Q2.**

- (a) How much types of Mendel<sup>'s</sup> law? Write the details “law of segregations and law of independent assortment”.
- (b) What is polyploidy? Write the importance of polyploidy in the crop improvement.



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Programme : B.Sc (Ag) I<sup>st</sup> Semester

Course Name : Agricultural Meteorology

Course Code : **BSCAG- 115**

Assignment No: 1

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) Explain the difference between Meteorology and Agriculture Meteorology.
- (b) Mention about the symbols to represent cloud and weather condition.

Q2.

- (a) Describe the quality of Mercury and Alcohol.
- (b) Explain the weather phenomenon and their representation.



**MONAD UNIVERSITY HAPUR (UP)**  
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Programme : B.Sc (Ag) I<sup>st</sup> Semester

Course Name : Rural sociology and Education psychology

Course Code : **BSCAG- 116**

Assignment No: 1

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.
- 4.

Q.1.

- (I) Define rural sociology. Explain the scope of rural sociology.
- (II) Define sociology. Explain the nature of rural sociology.

Q-2.

- (I) Write the Difference between Rural and urban life.
- (II) Explain the social structure of rural society.

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Programme : B.Sc (Ag) I<sup>st</sup> Semester  
Course Name : Fundamentals of Horticulture  
Course Code : **BSCAG- 114**  
Assignment No: 1  
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.**

- (i) Define Horticulture. Explain the Importance of floriculture.
- (ii) Explain the effect of low temperature in fruits plants.

**Q2.**

- (i) Explain the advantage & disadvantage of wind brakes.
- (ii) Explain the method of protection of high temperature.



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Programme: **B.Sc. (Ag)**

Semester: **I**

Course: **BSCAGN-117 Statistics and Applied Mathematics**

Assignment No: **1**

Due date of submission: **11.09.2017**

**Instructions**

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 Number clearly at the top of the page.

**Q.1**

Differentiate the following w.r.to 'x':

a)  $y = 1 + \frac{x}{1} + \frac{x^2}{2} + \frac{x^3}{6} + \dots$

b)  $y = e^x \log_e \sqrt{x}$

**Q.2**

- a) Find the probability to get 52 Sundays in a year.
- b) Find the probability to get 53 Mondays in a leap year.