



**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: I

Due date of submission: 10/09/2017

**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 storage. Explain the factors affecting of storage.

II- Define harvesting. Explain the basic principles of crops harvesting.

**Q-2.**

I- Define cropping scheme. Prepare a cropping scheme for a farm of 50 ha.

Situated in your university vicinity. Workout intensity of cropping to this farm.

II- Define crop rotation. Explain the principles of crop rotation.



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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 soil. Explain the components of soil.

II- Write down the soil forming rocks and minerals. Explain the factors affecting of soil forming process.

Q.2.

I- Explain the physical properties of soil and their significance

II- Write down the role of bio-fertilizer in crop production.



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

Course Name : Elements of Genetics

Course Code : **BSCAG- 113**

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 about law of heritability? Describe law of independent assortment with suitable example.
- (b) What are chromosomal aberrations? Write in details of structural change in chromosomes.

**Q2.**

- a) What is mutation breeding? Describe induced mutation.
- b) Define crossing over. Write mechanism of linkage and crossing overs.



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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) Define Insolation and explain the factor affecting of Insolation.
- (b) What do you mean by atmospheric moisture? How many types of humidity? Explain.

Q2.

- (a) Describe the classification of agro climatic zone in India.
- (b) Describe the different components of hydrologic cycle with the help of a suitable diagram.



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Programme : B.Sc (Ag) 1<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) Explain the Importance of Horticulture..
- (ii) Define Orchard. To take a precautions of orchard establishment.

**Q2.**

- (i) Define fruit drop. Explain the kinds of fruits drops.
- (ii) What is reproduction? Explain the advantages of sexual & asexual reproduction.



## MONAD UNIVERSITY HAPUR (UP)

Programme: **B.Sc. (Ag)**  
Semester: **I**  
Course name: **Statistics and Applied Mathematics**  
Course code: **BSCAGN-117**  
Assignment No: **2**  
Due date of submission: **23.10.2017**

### 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

- a) We know very well that constituting the result obtained by adding together several amounts and then dividing this total by the number of amounts is called average. Evaluate the average of first 20 natural numbers.
- b) As we know very well that median is the value or quantity lying at the midpoint of a frequency distribution of observed values or quantities, such that there is an equal probability of falling above or below it. Find the median from the data given below

Class	1-3	3-5	5-7	7-9	9-11	11-13	13-15	15-17
Frequency	6	53	85	56	21	16	04	04

### Q.2

- a) As we know very well that a quantity expressing by how much the members of a group differ from the mean value for the group is known as standard deviation. Find the standard deviation from the following.

11,12,13,14,15,16,17,18,19,20,21

- b) We know very well that limit is a point or level beyond which something does not or may not extend or pass. Evaluate  $\lim_{x \rightarrow a} \frac{\sin 9\theta}{\sin 5\theta}$ .

