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UG/5th Sem/BOT(H)/Pr/19

2019

B.Sc. (Honours)

5th Semester Examination

**BOTANY**

Paper - DSE 1P

(Practical)

Full Marks : 20

Time : 3 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

**Natural Resource Management**

Answer *all* questions.

1. Determine the DBH (diameter at breast height) of the dominant woody species in your area shown to you.  
(Requisition - 2 ; Experimental procedure - 2 ;  
Result & Interference - 4) 8
2. Determine the solid waste, in the material (A) supplied to you and comment on the result.  
(Requisition - 2 ; Procedure - 3 ; Result - 2) 7

[ Turn Over ]

( 2 )

3. Submission of Laboratory Note Book. 2
4. Viva-voce. 3

বঙ্গানুবাদ

- ১। প্রদর্শিত অঞ্চলে বৃক্ষজাতীয় / গুল্মজাতীয় উদ্ভিদের অধ্যয়নের জন্য DBH-এর পরিমাণ নির্ণয় কর। ৮  
(প্রয়োজনীয় উপকরণ - ২ ; পদ্ধতি - ২ ; ফলাফল ও সিদ্ধান্ত - ৪)
- ২। প্রদত্ত নমুনাটির বর্জ্য পদার্থ (Solid) নির্ধারণ কর এবং তোমার পরীক্ষার ফলাফলের উপর মন্তব্য লিখ। ৭  
(প্রয়োজনীয় উপকরণ - ২ ; পদ্ধতি - ৩ ; ফলাফল - ২)
- ৩। ল্যাবরেটরী নোটবুক জমা দেওয়া। ২
- ৪। মৌখিক ৩
-

( 3 )

**Biostatistics**

Full Marks : 20

Time : 2 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

Answer all questions.

1. The weights of potato in 70 bags is shown in the following table.

Weights (in kgs)	Frequency
300-301	13
301-302	27
302-303	18
303-304	10
304-305	1
305-306	1

Determine the variance and standard deviation of the above distribution. 8

[ Turn Over ]

( 4 )

2. Calculate the median and mode of the following frequency distribution 7

Marks	10-19	20-29	30-39	40-49	50-59	60-69
Frequency	8	11	15	17	17	7

3. Practical Note Book. 2
4. Viva-voce. 3
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**BOTANY**

**Paper - DSE 1P**

**Natural Resource Management**

**(Instructions to the Examiner)**

**Full Marks : 20**

**Time : 3 Hours**

1. A field with woody vegetation should be selected / mentioned. Separate loose sheet should be used for requisition Q. No. 1.
2. Supply specimen A for isolating solid waste material. Separate sheet should be used for requisition Q. No. 2.
3. Candidate should submit laboratory note book duly signed by the teachers.
4. Viva-voce on the subject covered in practical syllabus to be made by examiner(s).