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

2019

B.Sc. (Honours)

5th Semester Examination

ZOOLOGY

Paper - C12-P

Genetics

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.*

1. The following numbers of progeny were obtained from test cross progeny *Drosophila*.

	Phenotypes	Numbers
1.	+ m +	218
2.	w + f	236
3.	++ f	168
4.	w m +	178

[Turn Over]

(2)

5.	+ m f	95
6.	w + +	101
7.	+ + +	3
8.	w m f	1
		<hr/>

Total 1000

Construct a genetic map. Calculate the map distance between genes and the coefficient coincidence. 15

Or,

Make a Chi-square test from the supplied data.

[Data supplied from the exam. centre.]

2. Laboratory Note Book. 2
 3. Viva-voce. 3
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