

M.Sc. Semester-I Examination, 2022
(AGRICULTURE) IN GENETICS AND PLANT BREEDING
PAPER: GPB 503 (PRACTICAL)
(FUNDAMENTALS OF QUANTITATIVE GENETICS)

Full Marks: 30

Time: 3 Hours

1. Answer the following questions:

- A. Perform different statistical analysis using statistical tool. 10
- B. Interprets the given table of path analysis result, where yield is dependent character. 10

	Character1	Character2	Character3	Character4	Character5	Character6
Character1	0.3310	0.4660	-0.3050	-0.1910	0.1500	0.6490
Character2	0.2320	0.6650	-0.5160	-0.7940	-0.0740	1.2520
Character3	0.0890	0.3050	-1.1270	-0.4760	0.0110	0.8940
Character4	-0.0570	-0.3550	0.4810	1.1140	0.1730	-1.9770
Character5	-0.1010	0.1000	0.0250	-0.3920	-0.4920	0.8260
Character6	0.0890	0.5080	-0.4160	-0.9080	-0.1680	2.4250

Residual effect: 0.31

2. Laboratory note book. 5
3. Viva-voce. 5


