

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks

(5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Examine the non-mendelian inheritance.	K4	CO1
	(OR)		
11.b.	Discover the characteristics of multiple alleles.	K4	CO2
12.a.	What is crossing over? Discover its significance.		
	(OR)	K5	CO3
12.b.	Infer the procedure for chromosome mapping.		
13.a.	Define chromosomal aberrations. Explain its types.	K5	CO4
	(OR)		
13.b.	Interpret the types of Polyploidy.	K5	CO4
14.a.	Criticize the procedure for plant introduction.		
	(OR)	K6	CO5
14.b.	Evaluate the objectives of plant breeding.		
15.a.	Discuss the steps for estimation of gene frequencies in a population.	K6	CO5
	(OR)		
15.b.	Elaborate on the principles of Hardy – Weinberg law.		

SECTION - C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks

(3 × 10 = 30)

Question No.	Question	K Level	CO
16	Analyze the Dihybrid cross with suitable example.	K4	CO1
17	Interpret the Polygenic inheritance in wheat kernel colour.	K5	CO2
18	Analyze the Plastids inheritance in plants.	K4	CO3
19	Criticize about mass selection.	K5	CO4
20	Discuss in detail about Plant breeders rights and farmer rights.	K6	CO5

Z-Z-Z END