## Dr. Bhupendra Nath Dutta Smriti Mahavidyalaya

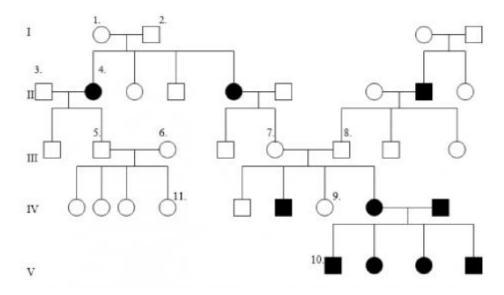
## **SEM-V Zoology Practical Examination-2024**

## **Genetics -CC-12**

FM-20 Time: 2 Hours

1. Analyse the pedigree with proper interpretation

6



A cross was made between purple leaf (p), glossy seedling (g), dwarf variety (t) and wild type. F1 plants were test crossed and the following proportions were obtained when a sample of 1000 plants were counted.

Wild type (PGT) 475

23

pgt 469

pGT 8

Pgt 7

p G t 18

PgT

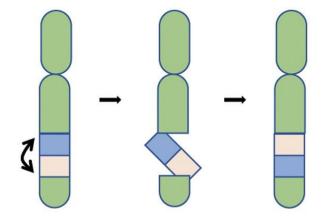
PGt 0

pgT 0

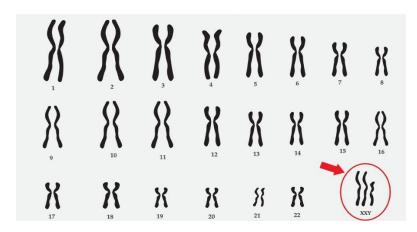
Determine the order of 3 genes and prepare a chromosome map. Find out the coefficient of coincidence.

3. 6

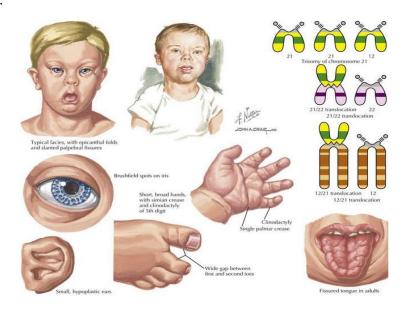
Indranil Bhatlachaye



3B.



3C.



4.Laboratory Note Book

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