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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

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HEREDITY

SESSION -2024-25

CLASS - 10th

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Add: Block -B, Near Glory Villa, 60 feet Road (Nearest land mark Scindia Statue), Shatabdipuram, Gwalior

Time : 1 hr -: Heredity :- mm:

Q.1. Match the columns :

(i) Father of genetics	(a) Sex determination/XY
(ii) Carriers of heredity characters	(b) Law of genetics
(iii) Pair of sex chromosomes	(c) Gregor Johann mendel
(iv) Genetic material	(d) Genes
(v) mendel	(e) DNA

Q.2. Fill in the blanks —

(i) In snails, individuals can change .....

(ii) A section of DNA that provides information for one protein is called ..... for that protein.

(iii) mendal proposed the law of .....

(iv) The ..... chromosomes are responsible for the male child.

(v) mendal did his experiment on ..... plant

Q.3. Answer in one word/ sentence :-

(i) What will be 23rd chromosome pair for a female human body ?

(ii) On crossing tall plants with dwarf plant what percentage of dwarf plants in F_2 generation was found by mendel.

(iii) What is the information source in a cell ?

(iv) Who worked out the main rule of such inheritance.

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Q.4. What is heredity ? What are heredity characters ?

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Q.5. Why did mendel choosen the pea plant for their experiment ? Write any two reasons.

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Q.6. What is the total number of chromosomes in human ? What is the difference between female and male chromosomes ?

Q. 7 How do mendal's experiment show that traits are inherited independently.

Q. 8. How is the sex of the child determined in human beings? (Draw only linear diagram).

Q. 9. Draw the linear diagram of first generation or F_1 progeny of inheritance.

Q. 10. How is the sex of a child determined in human beings?

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