

## Worksheet: Principles of Inheritance and Variation

Madhya Pradesh State Board · Class 12 · Biology · 5 questions · 12 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 12

**Q1.** A  $Tt \times tt$  cross produces 200 offspring. How many are tall? [2 marks]

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**Q2.** If the father is  $I^A I^B$  and the mother is  $I^A i$ , what blood groups can the children have? [3 marks]

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**Q3.** Why is colour blindness more common in males than females? [3 marks]

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**Q4.** Differentiate between Turner and Klinefelter syndromes. [2 marks]

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**Q5.** In a  $YyRr \times YyRr$  cross, what is the probability of a  $YYRR$  offspring? [2 marks]

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