

# Worksheet: Principles of Inheritance and Variation

Haryana State Board · Class 12 · Biology · 5 questions · 12 marks

Name: _____	Date: _____	Score: _____ / 12
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**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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