

# ICSE Class 10 Biology Question Paper Solution 2016

## BIOLOGY

### SCIENCE Paper – 3

#### Question 1

(a) Name the following: [5]

- (i) The exchange of chromatid parts between the maternal and the paternal chromatids of a pair of homologous chromosomes during meiosis.
- (ii) The number of individuals inhabiting per unit area.
- (iii) The immunity acquired by providing readymade antibodies from outside for treating certain infectious diseases.
- (iv) The pollutants that cannot be broken down to simple and harmless products.
- (v) The part of the brain that carries impulses from one hemisphere of the cerebellum to the other

(b) Choose the correct answer from each of the four options given below: [5]

- (i) A plant cell may burst when:
  - A. Turgor pressure equals wall pressure.
  - B. Turgor pressure exceeds wall pressure.
  - C. Wall pressure exceeds turgor pressure.
  - D. None of the above
- (ii) The individual flattened stacks of membranous structures inside the chloroplasts are known as:
  - A. Grana
  - B. Stroma
  - C. Thylakoids
  - D. Cristae
- (iii) The nephrons discharge their urine at the:
  - A. Urinary bladder
  - B. Urethra
  - C. Renal pelvis
  - D. Renal pyramid
- (iv) Gigantism and Acromegaly are due to:
  - A. Hyposecretion of Thyroxine.
  - B. Hyposecretion of Growth hormone
  - C. Hypersecretion of Thyroxine
  - D. Hypersecretion of Growth hormone
- (v) The mineral ion needed for the formation of blood clot is:

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**Elvis Aryeh**

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### **Table of Contents Xtreme Biology Question Papers**

1. Understanding the eBook Xtreme Biology Question Papers
  - The Rise of Digital Reading Xtreme Biology Question Papers
  - Advantages of eBooks Over Traditional Books
2. Identifying Xtreme Biology Question Papers
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Xtreme Biology Question Papers
  - User-Friendly Interface
4. Exploring eBook Recommendations from Xtreme Biology Question Papers
  - Personalized Recommendations
  - Xtreme Biology Question Papers User Reviews and Ratings
  - Xtreme Biology Question Papers and Bestseller Lists

5. Accessing Xtreme Biology Question Papers Free and Paid eBooks
  - Xtreme Biology Question Papers Public Domain eBooks
  - Xtreme Biology Question Papers eBook Subscription Services
  - Xtreme Biology Question Papers Budget-Friendly Options
6. Navigating Xtreme Biology Question Papers eBook Formats
  - ePUB, PDF, MOBI, and More
  - Xtreme Biology Question Papers Compatibility with Devices
  - Xtreme Biology Question Papers Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Xtreme Biology Question Papers
  - Highlighting and Note-Taking Xtreme Biology Question Papers
  - Interactive Elements Xtreme Biology Question Papers
8. Staying Engaged with Xtreme Biology Question Papers
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Xtreme Biology Question Papers
9. Balancing eBooks and Physical Books Xtreme Biology Question Papers
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Xtreme Biology Question Papers
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Xtreme Biology Question Papers
  - Setting Reading Goals Xtreme Biology Question Papers
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Xtreme Biology Question Papers
  - Fact-Checking eBook Content of Xtreme Biology Question Papers
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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