

সেট-০১

জুনিয়র স্কুল সার্টিফিকেট পরীক্ষা
বিজ্ঞান (সৃজনশীল + বহুনির্বাচনি অধীক্ষা)

বিষয় কোড :

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2

7

সময়—৩ ঘণ্টা

পূর্ণমান—৭০+৩০=১০০

সৃজনশীল প্রশ্ন

মান—৭০

দ্রষ্টব্য : ভান পাশের সংখ্যা প্রশ্নের পূর্ণমান জ্ঞাপক। প্রদত্ত উদ্দীপকগুলো মনোযোগসহকারে পড় এবং সংশ্লিষ্ট প্রশ্নের উত্তর দাও।
যে কোনো সত্যটি প্রশ্নের উত্তর দিতে হবে।

- ১। নুজহাত রাতে খাবার খেতে বসে টেবিলে ইলিশ মাছের তরকারি লক্ষ্য করলো। এ সময় বিদ্যুৎ চলে যাওয়ায় তার বড় বোন অর্পা মোমবাতি নিয়ে আসলো। হঠাৎ একটি প্রাণী উড়ে টেবিলের পাশের পর্দায় এসে পড়লো যার সন্ধিযুক্ত উপাঙ্গ ও এন্টেনা ছিল। এতে নুজহাত ভয় পেয়ে গেল।
- (ক) স্থিতি নামকরণ কাকে বলে?
- (খ) কুমিরকে কেন সরীসৃপ বলা হয়?
- (গ) উদ্দীপকে পর্দায় এসে পড়া প্রাণীটি কোন পর্বের? ব্যাখ্যা কর।
- (ঘ) নুজহাত ও টেবিলে তরকারি হিসেবে রাখা মাছটি একই পর্বভুক্ত হলেও একই শ্রেণিভুক্ত নয়—বিশ্লেষণ কর।

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- (ক) ক্যারিওকাইনেসিস কাকে বলে?
- (খ) ক্রোমোজোম বংশগতিতে ভূমিকা রাখে—ব্যাখ্যা কর।
- (গ) চিত্রে R এর চতুর্থ পর্যায়টির চিহ্নিত চিত্র আঁক।
- (ঘ) প্রজাতির বংশগতি রক্ষায় চিত্রে S কোষ বিভাজনের গুরুত্ব বিশ্লেষণ কর।

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- (ক) অক্সিগেন কাকে বলে?
- (খ) ছোট বস্তুর বড় সেবার কাজে ম্যাগনিকাইং গ্লাস অনন্য—ব্যাখ্যা কর।
- (গ) A অবস্থানে থাকা মাছটি শিকার করতে হলে কোণ কোত নিষ্কেপ করতে হবে? ব্যাখ্যা কর।
- (ঘ) ঘন মাধ্যমে অবস্থিত $\angle PON'$ এর মান বড় হলে সংঘটিত আলোকীয় ঘটনাটি টেলিযোগাযোগে ভূমিকা রাখে—বিশ্লেষণ কর।

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JL Elias



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Table of Contents Jsc Exam 2014 Science Question Paper Dhaka Board

1. Understanding the eBook Jsc Exam 2014 Science Question Paper Dhaka Board
 - The Rise of Digital Reading Jsc Exam 2014 Science Question Paper Dhaka Board
 - Advantages of eBooks Over Traditional Books
2. Identifying Jsc Exam 2014 Science Question Paper Dhaka Board
 - 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 Jsc Exam 2014 Science Question Paper Dhaka Board
 - User-Friendly Interface
4. Exploring eBook Recommendations from Jsc Exam 2014 Science Question Paper Dhaka Board
 - Personalized Recommendations
 - Jsc Exam 2014 Science Question Paper Dhaka Board User Reviews and Ratings
 - Jsc Exam 2014 Science Question Paper Dhaka Board and Bestseller Lists
5. Accessing Jsc Exam 2014 Science Question Paper Dhaka Board Free and Paid eBooks
 - Jsc Exam 2014 Science Question Paper Dhaka Board Public Domain eBooks
 - Jsc Exam 2014 Science Question Paper Dhaka Board eBook Subscription Services
 - Jsc Exam 2014 Science Question Paper Dhaka Board Budget-Friendly Options
6. Navigating Jsc Exam 2014 Science Question Paper Dhaka Board eBook Formats

- ePub, PDF, MOBI, and More
 - Jsc Exam 2014 Science Question Paper Dhaka Board Compatibility with Devices
 - Jsc Exam 2014 Science Question Paper Dhaka Board Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Jsc Exam 2014 Science Question Paper Dhaka Board
 - Highlighting and Note-Taking Jsc Exam 2014 Science Question Paper Dhaka Board
 - Interactive Elements Jsc Exam 2014 Science Question Paper Dhaka Board
 8. Staying Engaged with Jsc Exam 2014 Science Question Paper Dhaka Board
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Jsc Exam 2014 Science Question Paper Dhaka Board
 9. Balancing eBooks and Physical Books Jsc Exam 2014 Science Question Paper Dhaka Board
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Jsc Exam 2014 Science Question Paper Dhaka Board
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Jsc Exam 2014 Science Question Paper Dhaka Board
 - Setting Reading Goals Jsc Exam 2014 Science Question Paper Dhaka Board
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Jsc Exam 2014 Science Question Paper Dhaka Board
 - Fact-Checking eBook Content of Jsc Exam 2014 Science Question Paper Dhaka Board
 - 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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