

সেট-০১

জুনিয়র স্কুল সার্টিফিকেট পরীক্ষা
বিজ্ঞান (সৃজনশীল + বহুনির্বাচনি অধীক্ষা)

বিষয় কোড :

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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।

নম্বর

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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 বিভাজনটির গুরুত্ব বিশ্লেষণ কর।

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হালকা মাধ্যম

ঘন মাধ্যম



- (ক) অক্সিগেন কাকে বলে?
- (খ) ছোট বস্তুর বড় সেবার কাজে ম্যাগনিকাইং গ্লাস অনন্য—ব্যাখ্যা কর।
- (গ) A অবস্থানে থাকা মাছটি শিকার করতে হলে কোথায় কোচ নিক্ষেপ 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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