

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।

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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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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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# Jsc Exam Question Paper 2013 Science

**KJ Lindholm-Leary**



**Jsc Exam Question Paper 2013 Science:**

Innovative Technologies for Enhancing Knowledge Access in Academic Libraries Masenya, Tlou Maggie, 2022-06-24 An increasing number of academic libraries worldwide are adopting innovative technologies in creating organizing storing managing disseminating preserving and enhancing access to their vital knowledge in order to adapt to the changing library environment and to stay relevant in the digital world This transition necessitates a need for best practices and reimagined strategies of implementing innovative technologies to ensure sustainable knowledge access and increase knowledge sharing Innovative Technologies for Enhancing Knowledge Access in Academic Libraries aims to provide best practices innovative strategies theoretical frameworks conceptual frameworks and empirical research findings regarding the application of emerging and innovative technologies in managing preserving and enhancing knowledge access in academic libraries worldwide Covering a range of topics such as artificial intelligence knowledge organization records management and library services this reference work is ideal for librarians researchers scholars practitioners academicians instructors and students

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