

## জীববিজ্ঞান: ১ম পত্র

বিষয় কোড :

১ ৭ ৮

সময়-২ ঘণ্টা ৩০ মিনিট

সুজননীল গ্রন্থ

(বিজ্ঞান : ১ম পত্রের সংখ্যা প্রদেয় পূর্ণমান প্রাপক। প্রথম উত্তরদাতার জন্য প্রদেয় পূর্ণমান ৫০ এবং পরবর্তী প্রশ্নগুলোর উত্তরের উত্তর দাতা। যে কোনো ৫ টি প্রশ্নের উত্তর দাতা।)



- ক. প্রাটেশন কী? ১
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- ২ ▶ রাহা ব্যবহারিক ক্রাসে উদ্ভিদের নিয়ে প্রক্রিয়া লক্ষ্য করে। সে খুব ভালোভাবে পুংগ্যামিটোফাইট ও স্ত্রী গ্যামিটোফাইটের গঠন লক্ষ্য করল। সে নিম্নের পর গভীর্ণায়ের বিভিন্ন অংশের রূপান্তরও লক্ষ্য করল। ১
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- ৪ ▶ ব্যবহারিক ক্রাসে শিক্ষক সূর্যমুখী এবং কানা সরবরাহ করেন। তিনি উভয়দিককে মাইক্রোস্কোপের নিচে উদ্ভিদটির প্রসঙ্গচ্ছেদ করে অ্যানাটমিক্যাল গঠন পর্যবেক্ষণ করতে বলেন। ১
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- ৬ ▶ মি. জামান তার শ্রেণিকক্ষে বলেন যে আমাদের পরিবেশে কিছু থ্যালোফাইটিক জলজ উদ্ভিদ রয়েছে। যদিও উদ্ভিদগুলো খুব বড় নয় কিন্তু আমাদের প্রকৃতি রক্ষায় এবং শিল্পক্ষেত্রে এগুলো গুরুত্বপূর্ণ ভূমিকা পালন করে। উচ্চতর উদ্ভিদ থেকে এদের জীবন চক্র, খাদ্যাভ্যাস সবকিছুই ভিন্ন। ১
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- ৭ ▶ সেতু ছাদশ শ্রেণির ছাত্রী। সে শারীরিকভাবে দুর্বল। ডাক্তার তাকে তার খাদ্য তালিকায় বেশি পরিমাণ প্রোটিনসহ সবজি এবং ফল রাখার নির্দেশ দেন। ডাক্তার তাকে এটাও বলেন যে, এনজাইম খাদ্য হজমে সহায়তা করে। ১
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চিত্র : A



চিত্র : B

- ক. পেরিগোনিয়ালে পাতা কী? ১
- খ. সানফার্ন বলতে কী বোঝ? ২
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