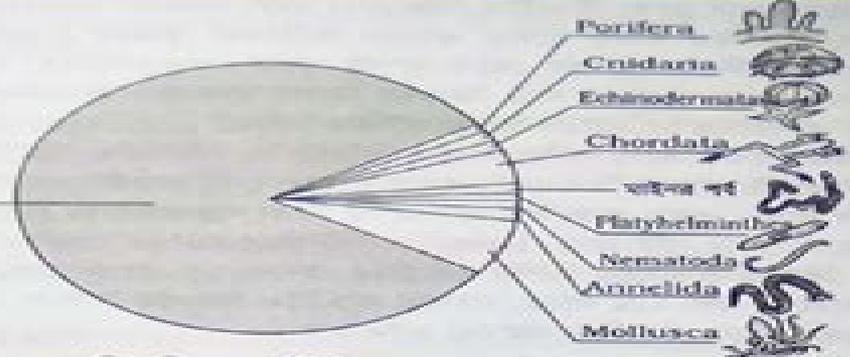


অধ্যায়  
১

প্রাণীর বিভিন্নতা ও শ্রেণিবিন্যাস  
Animal Diversity & Classification



- ব্রহ্মান শব্দাবলি (Key words)
- প্রাণিবৈজ্ঞান্য
  - শ্রেণিবিন্যাস
  - ট্যাক্সন
  - প্রজাতি
  - প্রতিসম
  - হিমোসিল
  - নন-কর্ডাটা
  - কর্ডাটা

প্রাণিবৈজ্ঞান্যের কৌণিক নকশা

জীববিজ্ঞানীরা এ পর্যন্ত ২,৭০,০০০ ভাবুকার উদ্ভিদ এবং ১৫ লক্ষেরও বেশি প্রাণী-প্রজাতি শনাক্ত করেছেন। এসব প্রজাতির মধ্যে নানা কারণে তিনুতা দেখা যায়। তিনুতা সত্ত্বেও সহজভাবে অধ্যয়ন করার জন্য প্রাণিবিজ্ঞানীরা বিভিন্ন বৈশিষ্ট্যের উপর ভিত্তি করে নির্দিষ্ট নিয়ম অনুযায়ী এদের শ্রেণিবিন্যাস করেছেন। এ অধ্যায়ে প্রাণীর বিভিন্নতা ও শ্রেণিবিন্যাস সম্পর্কে আলোচনা করা হবে।

পঠিত সংখ্যা-৭ : এ অধ্যায় পাঠ শেষে শিক্ষার্থীরা যা পারবে (শিখনফল)	
শিখনফল	বিষয়বস্তু
<ol style="list-style-type: none"> <li>১. প্রাণিজগতের বিভিন্নতা ব্যাখ্যা করতে পারবে।</li> <li>২. প্রাণীকে বিভিন্ন শ্রেণিতে ভাগ করার ভিত্তি ও নীতি ব্যাখ্যা করতে পারবে।</li> <li>৩. বিভিন্ন ধরনের প্রাণীকে শ্রেণিতে বিন্যাস করার প্রয়োজনীয়তা বিশ্লেষণ করতে পারবে।</li> <li>৪. নন-কর্ডাটা প্রাণীকে পর্ব (Phylum) পর্যন্ত বিন্যাস করতে পারবে।</li> <li>৫. কর্ডাটা প্রাণীকে শ্রেণি (Class) পর্যন্ত বিন্যাস করতে পারবে।</li> <li>৬. ব্যবহারিক- বিভিন্ন প্রাণী শনাক্ত ও চিত্র অঙ্কন করতে পারবে।</li> </ol>	<ul style="list-style-type: none"> <li>● প্রাণিজগতের                     <ul style="list-style-type: none"> <li>○ তিনুতা ○ শ্রেণিকরণের ভিত্তি ও নীতি</li> </ul> </li> <li>● নন-কর্ডাটা (ব্রহ্মান পর্ব পর্যন্ত শ্রেণিবিন্যাস)</li> <li>● কর্ডাটা (শ্রেণি পর্যন্ত বিন্যাস)</li> <li>● ব্যবহারিক                     <ul style="list-style-type: none"> <li>○ নন-কর্ডাটার বিভিন্ন পর্বের (যেকোনো পাঁচটি) এবং কর্ডাটার বিভিন্ন শ্রেণির (যেকোনো পাঁচটি) নমুনা পর্যবেক্ষণ।</li> </ul> </li> </ul>

প্রাণীর বিভিন্নতা বা প্রাণিবৈজ্ঞান্য (Animal Diversity)

পৃথিবীর সমস্ত অঙ্গুর, স্থলচর ও বেচর প্রাণীর মধ্যে যে জিনগত, প্রজাতিগত ও বাতাসস্থানগত বিভিন্নতা দেখা যায় সেটাই হচ্ছে প্রাণীর বিভিন্নতা বা প্রাণিবৈজ্ঞান্য। সেহের পঠন, বসতি নির্বাচন প্রকৃতি থেকে শুরু করে চলন, খাদ্যাভ্যাস, প্রজনন, পরিভ্রমণ (migration) সহ আরও অনেক বিষয়ে প্রাণীদের বৈজ্ঞান্য সুস্পষ্ট। প্রত্যেক প্রাণী নিজস্ব বৈশিষ্ট্যে মজিত হয়ে অন্য প্রাণী থেকে তিনু। পৃথিবীর বিভিন্ন পরিবেশে দুশ্য ও অদৃশ্যমান অসংখ্য প্রাণীর বিচরণ রয়েছে। কেউ মল বেঁধে মতল সমুদ্রে, মাক সমুদ্রে বা সমুদ্রপৃষ্ঠে সাঁতার কেটে চলেছে, কেউ ফ্রস্ট, কেউ-বা মধুর লয়ে মাটির উপর বেঁটে বেড়াচ্ছে, কোনো প্রাণী হঠাতো গাছের ডালে দোল বাচ্ছে, কেউ স্বীকে স্বীকে পরিমায়ী হচ্ছে, আবার কেউ এক ছোট ছোট পুণ্ডরিকপতঙ্গের সাহায্য ছাড়া দেখাই যায় না। এদের কেউ ভূগভোজী, অন্যরা মাংসাশী বা সর্বভোজী কিংবা পরজীবী।

Biodiversity (ই জীববৈজ্ঞান্য) সম্পর্কে প্রথম কৃত্রিম কল্পন  
Walter G. Rosen.

# Hsc Biology 2nd Paper 2014

**ML Morrison**



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