

## Updated DAT Biology Test Specifications – January 2022

Please note that changes to the DAT Biology Test Specifications are scheduled to take place on January 21, 2022. Students who plan to take the DAT on or after January 21, 2022 are encouraged to review the updated specifications, which include several new topics that were not previously covered on the examination.

The updated Biology test specifications include several new topics that were not previously covered on the examination; these new topics are represented in underlined text below.

### **Biology** (40 items)

- I. Cell and Molecular Biology: cell metabolism (including photosynthesis, enzymology), cellular processes (including membrane transport, signal transduction), thermodynamics, mitosis/meiosis, cell and organelle structure and function, experimental cell biology, biomolecules, and integrated relationships
- II. Diversity of Life: viruses, Archaeobacteria, Eubacteria, Fungi, Protista, Plantae, Animalia, and integrated relationships
- III. Structure and Function of Systems: integumentary, skeletal, muscular, circulatory, lymphatic/immune, digestive, respiratory, urinary, nervous/sensory, endocrine, reproductive, and integrated relationships
- IV. Genetics: molecular genetics, human genetics, classical genetics, chromosomal genetics, genetic technology, developmental mechanisms, genomics, gene expression, epigenetics, and integrated relationships
- V. Evolution and Ecology: natural selection, population genetics/speciation, animal behavior, ecology (population, community, and ecosystem ecology), and integrated relationships