

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Biotechnology - NOC:Basics of Biology

Subject Co-ordinator - Prof. Vishal Trivedi

Co-ordinating Institute - IIT - Guwahati

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Living Organisms
Lecture 2 - Classification of Living Organisms - Part 1
Lecture 3 - Classification of Living Organisms - Part 2
Lecture 4 - Classification of Living Organisms - Part 3
Lecture 5 - Classification of Living Organisms - Part 4
Lecture 6 - Origin of Life - Part 1
Lecture 7 - Origin of Life - Part 2
Lecture 8 - Evolution - Part 1
Lecture 9 - Evolution - Part 2
Lecture 10 - Evolution - Part 3
Lecture 11 - Basics of Cells - Part 1
Lecture 12 - Basics of Cells - Part 2
Lecture 13 - Basics of Cells - Part 3
Lecture 14 - Cell Division and regulation
Lecture 15 - Nucleic acids
Lecture 16 - Carbohydrates - Part 1
Lecture 17 - Carbohydrates - Part 2
Lecture 18 - Carbohydrates - Part 3
Lecture 19 - Lipids
Lecture 20 - Proteins - Part 1
Lecture 21 - Proteins - Part 2
Lecture 22 - Proteins - Part 3
Lecture 23 - Proteins - Part 4
Lecture 24 - Central Dogma of Life
Lecture 25 - Replication
Lecture 26 - Polymerase chain reaction
Lecture 27 - Transcription - Part 1
Lecture 28 - Transcription - Part 2
Lecture 29 - Translation - Part 1

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- Lecture 30 - Translation - Part 2
- Lecture 31 - Immune system - Part 1
- Lecture 32 - Immune system - Part 2
- Lecture 33 - Phagocytosis
- Lecture 34 - Cell Death and Apoptosis
- Lecture 35 - Vesicular Transport
- Lecture 36 - Digestion - Part 1
- Lecture 37 - Digestion - Part 2
- Lecture 38 - Digestion - Part 3
- Lecture 39 - Circulatory System - Part 1
- Lecture 40 - Circulatory System - Part 2
- Lecture 41 - Muscular System - Part 1
- Lecture 42 - Muscular System - Part 2
- Lecture 43 - Nervous System - Part 1
- Lecture 44 - Nervous System - Part 2
- Lecture 45 - Nervous System - Part 3
- Lecture 46 - Homeostasis - Part 1
- Lecture 47 - Homeostasis - Part 2
- Lecture 48 - Homeostasis - Part 3
- Lecture 49 - Summary and Conclusions - Part 1
- Lecture 50 - Summary and Conclusions - Part 2