

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

NPTEL Video Course - Biotechnology - NOC:Human Physiology

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Co-ordinating Institute - IISER Bhopal

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

- Lecture 1 - Introduction to Homeostasis
- Lecture 2 - Mechanisms of Homeostasis - Part 1
- Lecture 3 - Mechanisms of Homeostasis - Part 2
- Lecture 4 - Physiology of muscle - Part 1
- Lecture 5 - Physiology of muscle - Part 2
- Lecture 6 - Molecular Mechanism of muscle contractility - Part 1
- Lecture 7 - Molecular Mechanism of muscle contractility - Part 2
- Lecture 8 - How does the heart muscle work? - Part 1
- Lecture 9 - How does the heart muscle work? - Part 2
- Lecture 10 - Cardiac system : From stimuli to rhythmic muscle contraction - Part 1
- Lecture 11 - Cardiac system : From stimuli to rhythmic muscle contraction - Part 2
- Lecture 12 - Cardiac system : From stimuli to rhythmic muscle contraction - Part 3
- Lecture 13 - Cardiac system : From stimuli to rhythmic muscle contraction - Part 4
- Lecture 14 - Rhythmicity of heart beat - Part 1
- Lecture 15 - Rhythmicity of heart beat - Part 2
- Lecture 16 - Hemodynamics
- Lecture 17 - Hemodynamics and Regulation - Part 1
- Lecture 18 - Hemodynamics and Regulation - Part 2
- Lecture 19 - Hemodynamics and Regulation - Part 3
- Lecture 20 - Hemodynamics and Regulation - Part 4
- Lecture 21 - Hemodynamics and Regulation - Part 5
- Lecture 22 - Hemodynamics and Regulation - Part 6
- Lecture 23 - Lymphatic system
- Lecture 24 - Excretory system : Kidney - Part 1
- Lecture 25 - Excretory system : Kidney - Part 2
- Lecture 26 - Excretory system : Kidney - Part 3
- Lecture 27 - Kidney and RBC production
- Lecture 28 - Excretory system : Nephron - Part 1
- Lecture 29 - Excretory system : Nephron - Part 2

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- Lecture 30 - Excretory system : Nephron - Part 2.1
- Lecture 31 - Excretory system : Nephron - Part 3
- Lecture 32 - Excretory system : Regulation of Osmolarity and counter-current mechanism - Part 1
- Lecture 33 - Excretory system : Regulation of Osmolarity and counter-current mechanism - Part 2
- Lecture 34 - Excretory system : Regulation of Osmolarity and counter-current mechanism - Part 3
- Lecture 35 - Physiology and Introduction of Respiration - Part 1
- Lecture 36 - Physiology and Introduction of Respiration - Part 2
- Lecture 37 - Respiration - Part 1
- Lecture 38 - Respiration - Part 2
- Lecture 39 - Respiration - Part 3
- Lecture 40 - Respiration - Part 4
- Lecture 41 - Physiology of smooth muscles and digestive system - Part 1
- Lecture 42 - Physiology of smooth muscles and digestive system - Part 2
- Lecture 43 - Physiology of smooth muscles and digestive system - Part 3
- Lecture 44 - Physiology of smooth muscles and digestive system - Part 4
- Lecture 45 - Secretory functions of alimentary tract - Part 1
- Lecture 46 - Secretory functions of alimentary tract - Part 2
- Lecture 47 - Secretory functions of alimentary tract and Pancreas - Part 1
- Lecture 48 - Secretory functions of alimentary tract and Pancreas - Part 2
- Lecture 49 - Secretory functions of Pancreas and liver
- Lecture 50 - Secretory functions of Liver and Gallbladder
- Lecture 51 - Introduction to Endocrine system
- Lecture 52 - Pituitary gland and growth hormone secretion - Part 1
- Lecture 53 - Pituitary gland and growth hormone secretion - Part 2
- Lecture 54 - Thyroid gland - Part 1
- Lecture 55 - Thyroid gland - Part 2
- Lecture 56 - Hormones of adrenal cortex - Part 1
- Lecture 57 - Hormones of adrenal cortex - Part 2
- Lecture 58 - Physiology of Glucocorticoids - Part 1
- Lecture 59 - Physiology of Glucocorticoids - Part 2
- Lecture 60 - Course Summary