

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

NPTEL Video Course - Aerospace Engineering - NOC:Introduction to Ancient Indian Technology

Subject Co-ordinator - Dr. D.P. Mishra

Co-ordinating Institute - IIT - Kanpur

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

- Lecture 1 - Introduction to Ancient Indian Civilization
- Lecture 2 - Ancient Indian Civilization's Gift to the World
- Lecture 3 - Why do we need to look at Ancient Indian Science and Technology?
- Lecture 4 - Glimpses of Ancient Indian Science and Technology
- Lecture 5 - Brief Review of Ancient Indian Scriptures
- Lecture 6 - Basic Principles of carrying out science and technology
- Lecture 7 - Arrays of Physics, chemistry and Indoor games
- Lecture 8 - Marvels of Ancient Indian Technology
- Lecture 9 - Introduction to Indian Agriculture
- Lecture 10 - Problems arising due to modern agricultural practices
- Lecture 11 - Pesticides and soil degradation
- Lecture 12 - Agriculture - A Primary Productive Activity
- Lecture 13 - An Agricultural Tools - A Plough
- Lecture 14 - Soil and seeds
- Lecture 15 - Sowing Methods
- Lecture 16 - Indigenous cattle and manuring
- Lecture 17 - Ancient Indian Textile Technology
- Lecture 18 - Handlooms and Charkha
- Lecture 19 - Different types of Handlooms
- Lecture 20 - Ancient Rural Indian Housing
- Lecture 21 - Thatched Roof House
- Lecture 22 - Rural Walls and Roof materials
- Lecture 23 - Indus Valley and Harappan Civilization
- Lecture 24 - First and Second of Indian Civilization
- Lecture 25 - Town topologies and Brick and Tile making process
- Lecture 26 - Availability of Water and Freshwater
- Lecture 27 - Ancient Indian Wells
- Lecture 28 - Temple Water tanks and Dams
- Lecture 29 - Tank Irrigation system and Rainwater Harvesting

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- Lecture 30 - Waterbodies - Lakes and Canals
- Lecture 31 - Sluices and Embankments
- Lecture 32 - World of Materials
- Lecture 33 - Metals - Gold Silver Lead
- Lecture 34 - History of Copper
- Lecture 35 - Iron during Vedic period
- Lecture 36 - Iron smelting process in ancient India
- Lecture 37 - Iron and Steel crafts in ancient India
- Lecture 38 - Extraction and smelting of Zinc in Ancient India
- Lecture 39 - Metal Casting in Ancient India
- Lecture 40 - Glass Technology in Ancient India