

# Indus Valley Civilization





# Old World Civilizations





Roots

Discovery

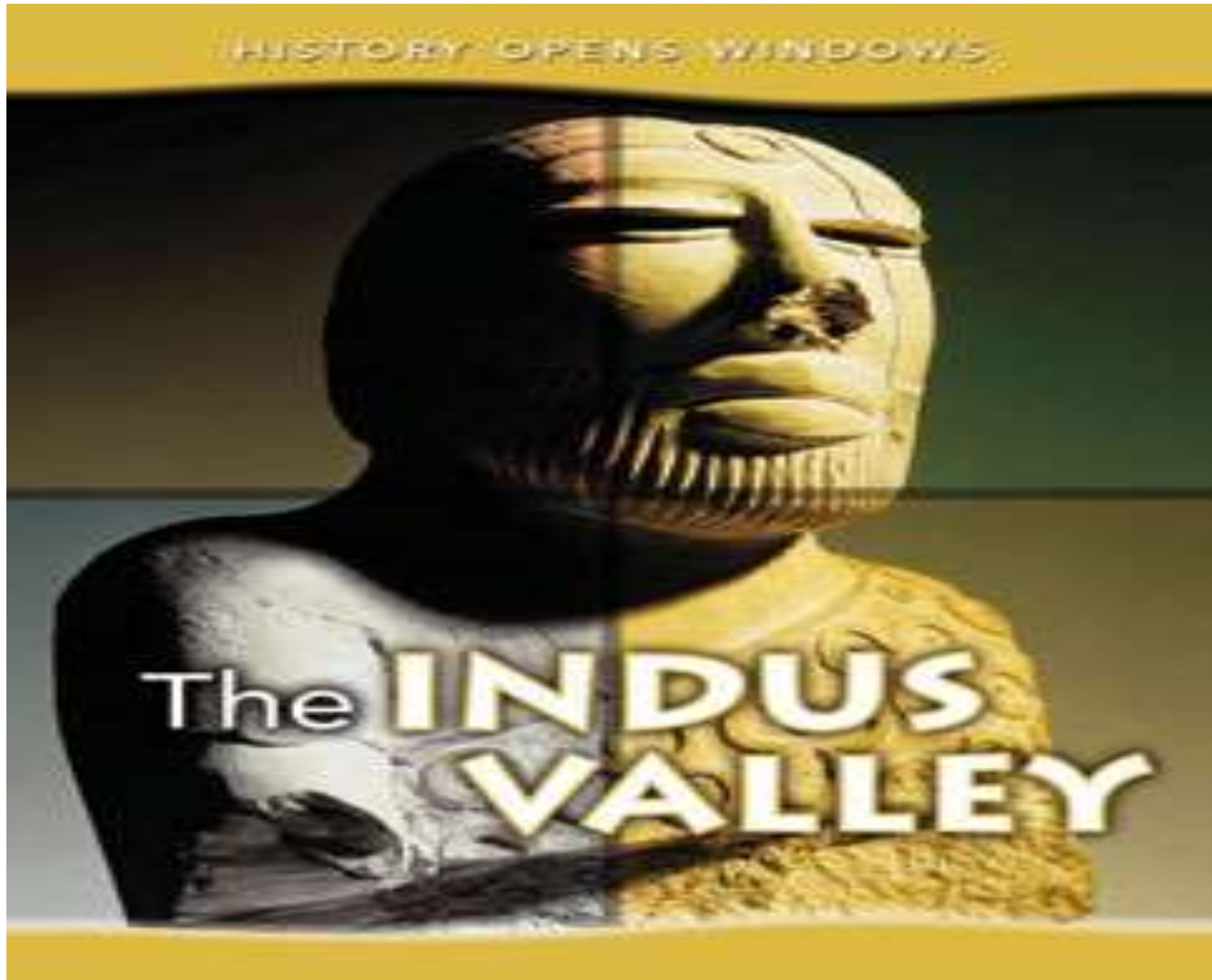
Features

Architecture

Decline



# Indus Valley Civilization



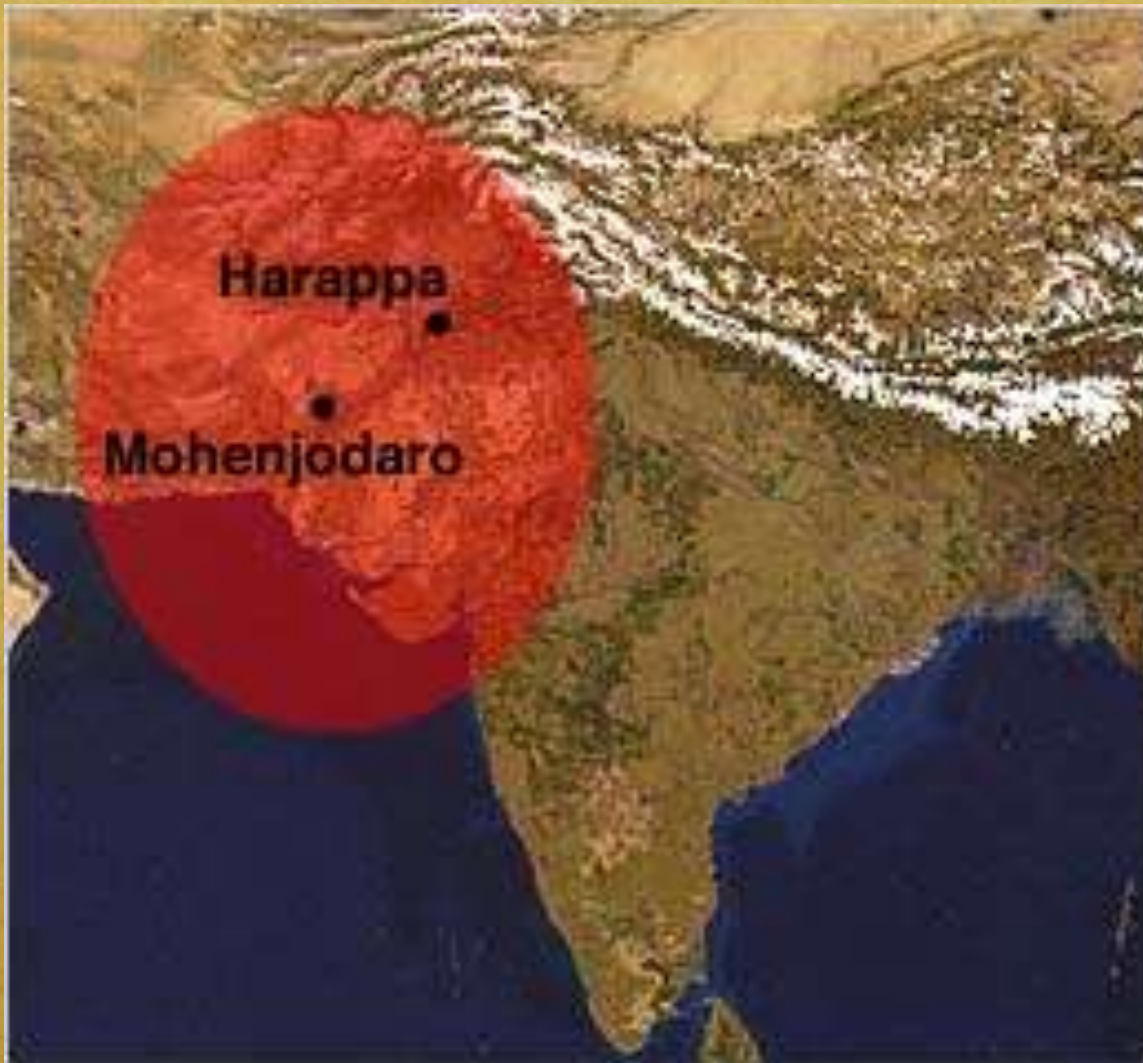
# Major cities of Indus Valley Civilization

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graph TD; A[Major cities of Indus Valley Civilization] --> B[Mohenjo-Daro]; A --> C[Harappa];
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Mohenjo-Daro

Harappa

# Mohenjo-Daro and Harappa



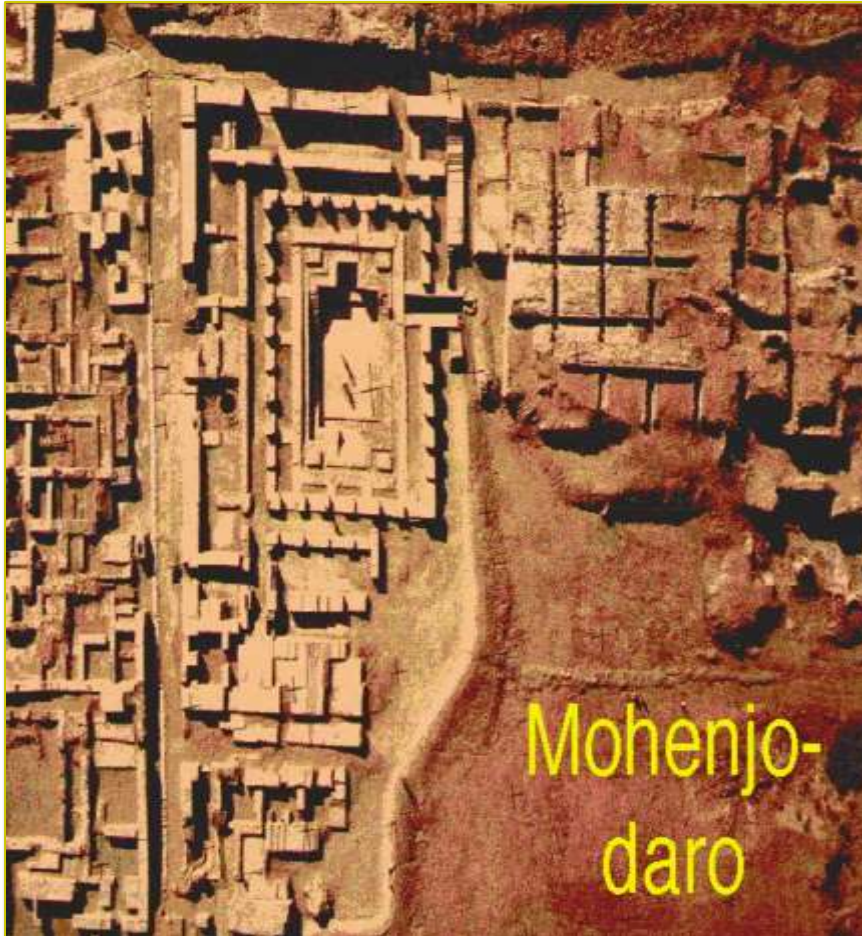
# Major Cities: Mohenjo-Daro and Harappa

- The cities are well known for their impressive, organized and regular layout.
- They had well laid plumbing and drainage systems, including indoor toilets.
- Over one thousand other towns and villages also existed in this region.





# Aerial View of Mohenjo-Daro and Harrapa





# THE LIVES OF PEOPLE OF MOHENJO DARO and harappa

- 1) AGRICULTURE was their main economic activity.
- 2) They had irrigation systems.
- 3) They had pottery and jewelry making.
- 4) Houses were made of clay bricks.
- 5) Their leaders were priest-kings.
- 6) Their religion was animism and polytheism.  
They worshipped many gods some of which were animals like the very revered BULL.

# Religion



**Revered BULL**



**A Priest-King, Mohenjo-Daro**



# **Unique feature of the Indus Valley Civilization:-**

- The structure of the houses has one or more toilets or toilet connected to a centralized system.
- Underground sewer pipes are said to be planned and organized by a centralized government .

# Architecture of Indus Valley Civilization







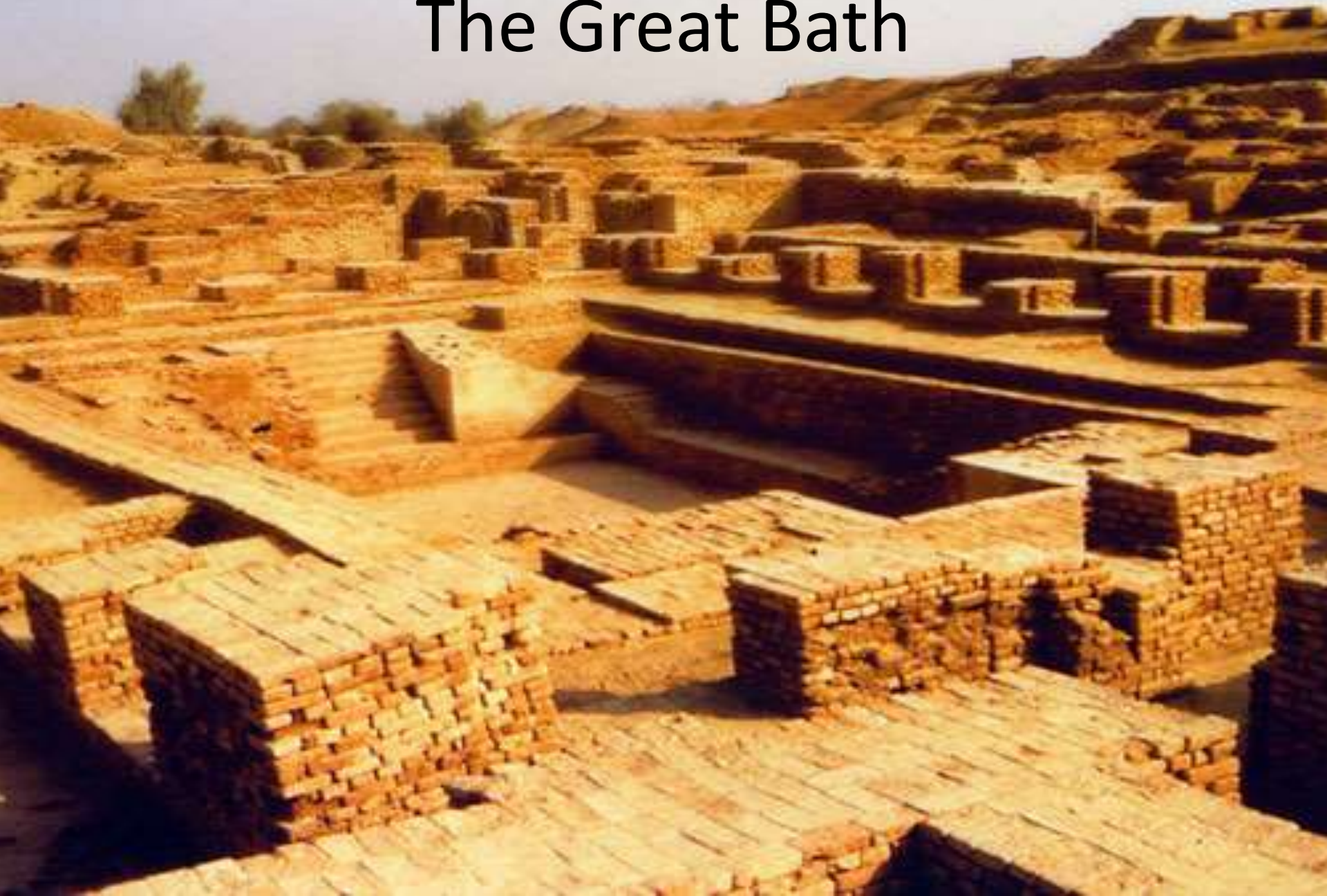
The Great bath.....

Streets.....

Granary.....

Wells...

# The Great Bath





# Streets and Walls



# The Granary at Harappa





# Public Well, Harappa





# The Assembly Hall



# Earliest Form of Sanitary Engineering

- 1<sup>st</sup> known toilets and running water in residential buildings in the world.
- By 2500BC, highly developed drainage system where wastewater from each house flowed into the main drain.
- The ancient Indus systems of sewage and drainage that were developed and used in cities throughout the Indus Empire were far more advanced than any found in contemporary urban sites in the Middle East and even more efficient than those in some areas of modern Pakistan and India today.



# Bath Area, Mohenjo-Daro





# Drain, Harappa



# First Urban Sanitation System

- The people had water borne toilets in each house. The houses were lined with drains covered with burnt clay bricks (burning makes clay harder, more dense). The system had manhole covers, chambers, etc., to facilitate maintenance. It was the first form of sanitary engineering.
- From a room that appears to have been set aside for bathing, waste water was directed to covered drains, which lined the major streets.



# Harappan Writing



**Undecipherable to date.**



# Natural Resources



- The Indus Valley contained numerous natural resources that were an important part of Harappan civilization.
- Resources included:
  - Fresh water and timber.
  - Materials such as gold, silver, semi-precious stones.
  - Marine resources.

# The Artifacts: Crafts and the Arts

Dice and small sculptures of bullock carts were probably used as toys and games.

The first known use of cotton as a fiber for weaving textiles occurred in the Indus Valley.





# Four Theories of Collapse

- Archaeologists have offered four explanations for the collapse of the Harappa “Civilization”.
- Three are based on ecological factors: intense flooding, decrease in precipitation, and the desiccation of the Indus River.
- The fourth hypothesis is that of the Aryan Invasion, proposed by Sir R. E. Mortimer Wheeler and Stuart Piggott.



A collage of vintage items including a graduation cap, a magnifying glass, a book, and a map. The background is a textured, aged parchment or map with various geographical labels like 'MARE PACIFICUM', 'MARE COGNITUM', 'MARE TIBETICUM', and 'MARE ARABICUM'. A black graduation cap with a tassel is positioned on the left. A magnifying glass with a wooden handle is in the center. A book with a dark cover and a gold-embossed spine is at the top. A rolled-up scroll is on the right. The word 'Thanks.....' is written in a large, white, serif font across the middle.

Thanks.....

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