



# **Union Public Service Commission**

# **General Studies**

Paper I – Volume - 2

# ANCIENT AND MEDIEVAL HISTORY OF INDIA



# IAS

# G.S. PAPER - 1 VOLUME - 2

# ANCIENT AND MEDIEVAL HISTORY OF INDIA

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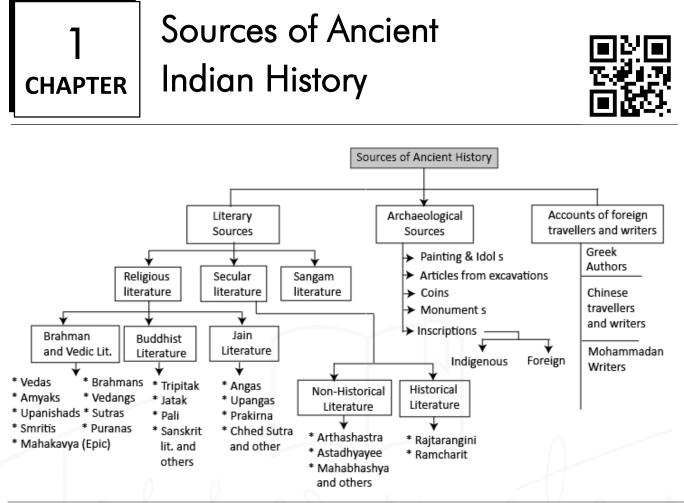
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  - o Guru Hargobind (1606–1644)
  - Guru Har Rai (1644–1661)
  - o Guru Har Kishan (1661–1664)
  - o Guru Tegh Bahadur (1665–1675)
  - Guru Gobind Singh (1675–1708)
  - o Important Foreign Travellers to India



# Archeological Sources

- Numismatics- study of coins.
- Epigraphy- study of inscriptions.
- Archeology = 'Archaios' + 'Logia' (archaios= ancient and logia = knowledge).
- 1. Inscriptions/ Epigraphs/ Edicts
  - Oldest inscriptions Emperor Ashoka- majorly in Brahmi script.
  - Other inscriptions

Name	Found	About	
Naganika's inscription	Naneghat, <b>Maharashtra</b>	Works of Satavahana King <b>Satakarn</b>	
Nasik inscription	Nasik caves, <b>Maharashtra</b>	Gautamiputra Satkarni	
Prayag Prashasti/ Allahabad Pillar	Allahabad, <b>UP</b>	Samudragupta; written in Sanskrit by Harisena.	
Aihole Inscription	Karnataka	By <b>Ravikirti</b> about <b>Pulkeshin II</b> , the Chalukya king of Badami.	
Hathigumpha inscription	Udaygiri, <b>Odisha</b>	About King Kharvela.	



# 2. <u>Copper-Plates</u>

- Engraved for 'land-grants' and issued to the grantee.
- **3 plates of copper**, tied with each other through copper knot.
- Upper and last portions are left not engraved as these can be blurred with time.
- Inform about the **socio-economic condition** of that period.
- **Eg. Sohgaura-copper plate** informs us about severe drought and the measures undertaken by authorities to tackle the problem of food-shortage.

#### 3. <u>Coins</u>

- Inform about the trade and commercial activities, and economic and technological development.
- Dates mentioned help us to know about the chronology of kings.
- First coin of India 'Punchmarked coins' made by the method of punching.
- Possibly introduced by the trading guilds and not by any ruler.
- Ratio of purity in coins interpret about the economic condition of the
- **Ruler** and his time.
- First gold coin by Indo-Greeks.
- Purest gold coins issued by 'Kushanas'.
- Maximum number but impure gold coins- Guptas.

### 4. Monuments/ Memorials

- Study helps us to interpret the technical skills, living standard, economic condition & architectural style of the time.
- **Depict the prosperity of a ruler** or the dynasty.
- 3 major styles :
  - Nagar style in the North.
  - Dravid style in the South.
  - Vesara style in Deccan.

#### 5. Sculpture

- Harappan Sculptures- Made of stone, steatite, clay, terracotta, lime, bronze, ivory, wood etcuses- idols, icons, toys, entertainment.
- Bronze statues (Harappan civilization) and toys (Diamabad).
- Mauryan sculptures Yakshi of Didarganj contemporary affluence and aesthetic sense of people.
- Statue of Kanishka- foreign origin of the king and costume of foreign style, like, high shoes, overcoats etc.

#### 6. <u>Paintings</u>

- Earliest instances of paintings- Bhimbetka (Madhya Pradesh) drawn by Mesolithic cavedwellers by using colours and tools from surrounding nature.
- Ajanta paintings- information about religious ideology, spiritual serenity, ornaments, costumes, foreign visitors etc.
- Chola Paintings- display the concept of 'divine kingship' of Chola polity.

# 7. Archaeological Remains

- A. Potteries:
  - **Base equipment** from protohistory to Early Medieval period.
  - Composed of various items, like, bowls, plates, pots, etc.
  - **Differentiated** according to respective culture, shapes, fabrics, surface-treatment (fabric, colour, designs, painting), pottery-making technique etc.
  - Specific pottery-type is assigned to particular culture/period.



# B. Beads

- Made of various materials, like, stone, semi-precious stones (like Agate, Chalcedony, Crystal, Turquoise, Lapis-lazuli), glass, metals like gold, copper; terra cotta, ivory, shell etc.
- Different shapes like round, square, cylindrical, barrel-shaped etc.
- Can be used as a source to know the technological development & esthetic sense of a specific period.
- C. Faunal Remains/Bones
  - Excavations reveal large amounts of bones or faunal remains.
  - Shed light on the surrounding historical ecology or ecosystem of that particular site.
  - Helps to understand the dietary habits of concerned people.

# D. Floral Remains

• Give information on historical ecology and dietary habits of concerned people.

# **Literary Sources**

# 1. <u>Religious sources</u>



• Base source: Brahmin texts like Vedic texts, Sutras, Smriti, Puranas and Epics.

Vedic Texts	• Rig Veda- oldest - gives us an idea of Rig vedic society
	<ul> <li>Sam Veda, Yajur Veda and Atharva Veda - information about the society of later Vedic period.</li> </ul>
	<ul> <li>History of 900 years (1500B.C-600B.C).</li> <li>Give information about the origin of Aryans, their political structure, society, economic activities, religious perspectives, culture, etc.</li> </ul>
Sutras	<ul> <li>Words or hymns placed beautifully like pearls in a thread.</li> <li>Gives information about the Vedic period.</li> <li>six parts: Shiksha, Vyakrana, Chhanda, Kalpa, Nirukta and Jyotish</li> </ul>
Upveda	<ul> <li>Ayurveda- related to medical science - upveda of Rig Veda.</li> <li>Gandharva veda- related to music - upveda of Sam Veda.</li> <li>Dhanur veda- related to war skills, arms and ammunitions- upaveda of Yajur Veda.</li> <li>Shilpa veda- related to art sculpture and architecture - upveda of Atharva Veda.</li> </ul>
Smriti Texts	<ul> <li>Manusmriti - oldest Smriti text (200B.C- 200A.D).</li> <li>Yagyavalkaya Smriti - compiled between 100A.D to 300A.D.</li> <li>Narada smriti (300A.D-400A.D) and Parashara Smriti (300A.D-500A.D)- social and religious conditions of the Guptas.</li> </ul>
Puranas	<ul> <li>Compiled after smritis; 18 in number.</li> <li>Markandeya Purana, Vayu Purana, Brahma Purana, Vishnu Purana, Bhagwat Puran and Matsya Purana - ancient Purana .</li> <li>Information of ancient Indian dynasties in Matsya, Vayu and Vishnu puranas.</li> <li>Only available source of the dynasties that ruled after the battle of Mahabharta.</li> <li>Provide chronology of different dynasties and their hierarchy</li> </ul>
Epics	<ul> <li>A part of Brahmanic texts</li> <li>Most important- Mahabharata and Ramayana.</li> <li>Ramayana - by Valmiki - Post Mauryan period.</li> </ul>

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	• Mahabharata - by Ved Vyas - completed in Gupta period - initially, named as Jai Samhita /Bharata
Buddhist Literature	<ul> <li>Pitakas - oldest Buddhist texts.</li> <li>Compiled after Lord Buddha attained Nirvana.</li> <li>3 types : <ul> <li>Sutta Pitaka- consists of religious ideology &amp; sayings of Buddha.</li> <li>Vinaya Pitaka- consists of the laws of Buddhist Sangha.</li> <li>Abhidhamma Pitaka- consists of Buddhist philosophies.</li> </ul> </li> <li>Jataka kathas - anecdotes of previous births of Lord Buddha</li> <li>Milindapanho - Buddhist text - gives us information about the philosophica dialogue between Greek ruler Minander and Buddhist saint Nagasena.</li> <li>Divyavadana - 4th century A.D - information about different rulers.</li> <li>Aryamanjushrimulkalpa - information about different rulers of Gupta Empire from the Buddhist perspective.</li> <li>Angutarnikaya - gives the names of Sixteen Mahajanapadas.</li> </ul>
Sinhalese Texts	<ul> <li>Consisted of Dipavamsa and Mahavamsa - Buddhist texts.</li> <li>Dipavamsa - 4th century A.D</li> <li>Mahavamsa - 5th century A.D.</li> <li>Provide information about social and cultural life of that time</li> <li>Knowledge of cultural relation of India and foreign countries.</li> </ul>
Jain Texts	<ul> <li>Main texts- Agama texts (Total 12 in number)</li> <li>Acharangasutra -part of the Agamas - based on the teachings of Mahavira &amp; talks about the conduct of Jain saints.</li> <li>Vyakhyaprajapati aka Bhagvati sutra - life of Mahavira. Nayadhammakaha-compilation of teaching of Lord Mahavira.</li> <li>Bhagavati Sutra - information about the 16 Mahajanapadas.</li> <li>Bhadrabahu Charit - throws light on the life of Jain Acharya Bhadrabahu and Chandragupta Maurya.</li> <li>Parishistaparvana - most important Jain text - written by</li> <li>Hemchandra in 12th century A.D.</li> </ul>

# 2. Non-Religious Texts

- Throw light on almost all the aspects of the society.
- Ashatadhayayi- by Panini oldest grammar/literature of India information about the political, social and religious condition of Pre-Mauryan period.
- Mudrarakshasa- by Vishkhadutta information about the Mauryan period.
- Arthashastra Kautilya/Vishnugupta/Chanakya divided into 15 parts information about Indian political system, condition of Mauryan age.
- Mahabhashya of Patanjali and Malvikagnimitram by Kalidasa information about 'Shunga Dynasty'.
- Kamasutra of Vatsyana information on social life, physical relations, family life, etc.
- **'Mrichchakatikam'** by **Shudraka** and **'Dashkumaracharita'** by **Dandin** information of the social life of that period.



# 3. Sangam literature

### • Earliest south Indian literature

• Information about the social, economic and political life of the people living in deltaic Tamil Nadu.

Agattiyam	Agastya	A work on grammer of letters	
Tolkappiyam (Tamil grammar)	Tolakpiyyar	A treatise on grammer & poetry	
Ettutogai (8 anthologies)		Melkannakku combined form.	
Pattu pattu (10 idyls)		Melkannakku combined form.	
Patinenkilakanakku (18 minor work)		A didactic work.	
Kural (Muppal)	Tiruvalluvar	A treatise on polity, ethics, social	
		norms.	
Silappadikaram	Ilango Adigal	A love story of Kovalan Smadhavi	
Manimekalai	Sittalai Sattanar	The adventures of Manimekalai	
Sivaga Sindamani	Tiruttakadevar	A Sanskrit treatise	
Bharatam	Perudevanar	The last epic	
Pannirupadalam (grammer)	12 disciples of Agastya	A grammatical work on puram literature	
Kakkipadiniyam (Prosody)		A work on prosody	

#### 4. Foreign Accounts

• Consist of writing of Greek, Roman, Chinese and Arab travelers.

Herodotus	<ul> <li>Considered the first historian of the world.</li> <li>Mentioned Indian soldiers fighting along the side of Persians.</li> </ul>
Megasthenes	<ul> <li>Ambassador of Seleucus Nicator, posted in the court of Chandragupta Maurya.</li> <li>Work - Indica - gives description of the layout of Pataliputra</li> <li>Mentions above social structure, caste-system, caste-relations etc.</li> <li>Original Indica is lost.</li> </ul>
Periplus of Erythraean Sea	<ul> <li>Presumed to be written by a fisherman on Egypt coast.</li> <li>Gives impartial and objective information on the Indo-Roman trade during the Early Historic period.</li> <li>Informs about the ports on India's coast-line, trade-centres in India, the trade-routes-connecting trade centres and ports, distance between centres, items-of-trade, annual volume of trade, types of ships etc.</li> </ul>
Fa-Hien (Fa Xian)	<ul> <li>Visited India during Gupta period.</li> <li>Buddhist monk; visited India to seek knowledge from Devbhumi (i.e. India) and visit Buddhist pilgrimage centres.</li> </ul>
Hiuen-Tsiang (Xuan Zang)	<ul> <li>Visited India during Harshavardhana's reign.</li> <li>Visited Buddhist pilgrimage centres, stayed at Nalanda University.</li> <li>Studied Buddhism, read original Buddhist works, collected original manuscripts and mementos, made copies, attended Harsha's assembly.</li> <li>In China, he wrote 'Si-Yu-Ki' (Great Tang Records on the Western Regions) - gives vivid descriptions of what he witnessed in India.</li> <li>Gives information of kings especially Harsha and his generosity, people and customs of various regions in India, lifestyles etc.</li> </ul>

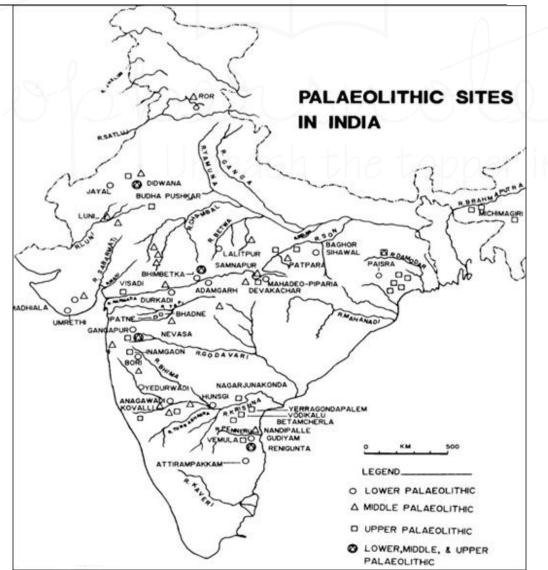




- **Prehistoric** period- no written evidence.
- Main source of information- archaeological excavations.
- Pallavaram handaxe First Paleolithic tool in India discovered by- Robert Bruce Foote (1863 AD)also discovered a large number of pre-historic sites in South India
- Based on geological age, the type and technology of stone tools, and subsistence base, the Indian stone age is divided into-
  - Palaeolithic age (Old Stone Age): Period 500,000 10,000 BCE
  - Mesolithic age (late Stone Age): Period 10,000 6000 BCE
  - Neolithic age (new Stone Age): Period 6000 1000 BCE

# Palaeolithic Age (Old Stone Age)

First archaeological period in prehistory.





- Palaios (old) +lithos (stones) =Palaeolithic (old stone age)
- Developed in the Pleistocene period or the Ice Age.
- The term "Paleolithic" was coined by John Lubbock in 1885 AD.
- Men were called 'Quartzite' men in India as the stone tools made of quartzite.
- In India, people surviving this age belonged to the 'Negrito' race and lived in the open air, river valleys, caves, and rock shelters.
- They were food gatherers and hunters.
- No knowledge of houses, pottery, agriculture.
- In later stages, they **discovered fire**.
- In the upper paleolithic age, there is evidence of art in the form of paintings.
- Humans used **unpolished**, rough stones like hand axes, choppers, blades, bruins, and scrapers.
- Basic social structure- based on a band society (<100 people formed a small community).
- Nomadic people, bound by customs, social etiquettes, and norms
- According to the nature of the stone tools used by the people and the nature of the change of climate, the **paleolithic age in India is divided into three phases:** 
  - Lower/ Early Palaeolithic Age: up to 100,000 BC
  - Middle Palaeolithic Age: 100,000 BC 40,000 BC
  - Upper Palaeolithic Age: 40,000 BC 10,000 BC

# Lower Palaeolithic Age (Early Palaeolithic Age)

- Characteristics:
  - **Maximum time span** (covering whole Lower Pleistocene and bulk of the Middle Pleistocene epoch).



- River valleys and terraces were formed.
- Early men preferred to live near the water supply, as the stone tools are found mainly in or adjacent to the river valleys.
- Mainly spread in Western Europe and Africa.
- **Evidence of the earliest stone tools** Western Europe deposits of first Inter-glacial phase in the Lower Pleistocene.
- Lived a nomadic lifestyle.
- Hunters and food gatherers
- Contribution of Neanderthal-like Palaenthropic men (3rd stage of hominid evolution)
- One of the **earliest** lower Palaeolithic **sites is Bori in Maharashtra.**
- Tools:
  - Tools- made of limestone hand axes, choppers, and cleavers rough and heavy.
  - First stone tool fabrication started; k/a Oldowan tradition.
  - Splintered stones k/a eoliths earliest tools.
- Major sites:
  - Soan valley (in present Pakistan)
  - o Thar Desert
  - o Kashmir
  - o Mewar plains
  - o Saurashtra

- o Gujarat
- Central India
- Deccan Plateau
- Chotanagpur plateau
- North of the Cauvery River
- Belan valley in UP

#### Two important cultures -

- 1. Sohanian culture:
  - Name derived from the Sohan River, a tributary of Indus.
  - Sites Siwalik Hills in North-west India and Pakistan.
  - Lower Palaeolithic stone tools found.
  - Animal remains horse, buffalo, straight-tusked elephant and hippopotamus.
  - Deposits of pebble tools and choppers found.
- 2. Acheulian culture/ Madrasi Culture:
  - Named after the French site of St. Acheul.
  - First effective colonization of the Indian subcontinent.
  - Synonymous with the lower Palaeolithic settlements in India.
  - Deposits of hand-axes and cleavers

# Middle Palaeolithic age

- Characteristics:
  - Mainly associated with the early form of man- Neanderthals.
  - Evidence of the **use of fire.**
  - Middle Paleolithic man was a scavenger but little evidence of hunting and gathering were traced.
  - **Dead were painted** before burial.
  - **Slow transformation of Acheulian culture** by shedding some of the tool types and by incorporating new forms and new techniques of making them.
- Tools:
  - Became smaller, thinner and lighter.
  - Majorly dependent on flakes used to make bores, points, and scrapers etc.
  - A crude pebble industry is also noticed in this period.
  - Stones found were very small k/a microliths.
  - Quartzite, quartz and basalt replaced by fine-grained siliceous rocks like chert and jasper
  - Tool Factory sites at chert outcrops occur in central India and Rajasthan.
- Important sites
  - Belan valley in UP
  - Luni valley (Rajasthan)
  - Son and Narmada rivers
  - o Bhimbetka





- Tungabhadra river valleys
- Potwar Plateau (between Indus & Jhelum)
- Sanghao cave (near Peshawar, Pakistan)

# **Upper Palaeolithic age**

- Characteristics:
  - Appearance of Homo Sapiens.
  - Widespread appearance of figurines and other artifacts reflecting art and rituals.
  - Discovery of ostrich egg shells at over 40 sites in Rajasthan, Madhya Pradesh and Maharashtra
  - Extremely cold and arid climate in the high altitude and northern latitudes.
  - o Extensive formation of deserts in North west India
  - Drainage patterns of western India became almost defunct and river courses shifted "westwards".
  - Decreasing vegetation cover.
  - Human population faced rusticated food resources- that is why Upper Palaeolithic sites are very limited in the arid and semi-arid regions.
- Tools:
  - **Bone tools** needles, fishing tools, harpoons, blades and burin tools.
  - Show a marked regional diversity with respect to the **refinement of techniques and standardization of finished tool forms.**
  - Bored stones and grinding stabs have also been found advancements in the technology of tool production.

#### Major sites:

- Bhimbetka (South of Bhopal) hand axes and cleavers, blades, scrapers, and a few bruins have been found here.
- o Belan
- o Son
- Chota Nagpur plateau (Bihar)
- o Maharashtra
- o Orissa and
- o Eastern Ghats in Andhra Pradesh
- Bone tools have been found only at cave sites of Kurnool and Muchchatla Chintamani Gavi in Andhra Pradesh.

# **Mesolithic Period (Middle Stone Age)**

- Derived from Greek words 'meso' and 'lithic'. aka 'Middle Stone Age'
- Belonged to the Holocene era.

Transitional period between the Paleolithic and Neolithic periods - aka Late Stone age.

# # Characteristics:

- Warm climate with heavy rainfall in summer and moderate rain in winters.
- Initially hunters and gatherers, but later domesticated animals and cultivated plants.







- Primitive cultivation, and horticulture began.
- The first animal to be domesticated wild ancestor of the dog.
- Sheep and goats- most common domesticated animals.
- Lived in semi-permanent settlements along with occupying caves and open grounds.
- Believed in the afterlife and hence buried dead with food items and other goods.
- People started to wear clothes made of animal skin.
- First human colonization of the Ganga Plains during this period.
- Last phase **beginning of plant cultivation.**

# **#** Tools - Microliths

- Made of crypto-crystalline silica, chalcedony or chert, in geometrical and non-geometrical shapes.
- Used to make composite tools, spearheads, arrowheads, and sickles.
- Enabled to hunt smaller animals and birds.

### # Paintings

- Art lovers and initiated rock art in Prehistory.
- First Rock painting in India- found at Sohagighat (UP) in 1867.
- Themes- wild animals and hunting scenes, dancing, and food collection.
- Paintings mostly in red ochre but sometimes bluish-green, yellow, or white colors have been used
- of the 29 species of animals depicted in paintings, Cheetah occurred most
- No depiction of snakes
- **Bhimbetka rock paintings** give an idea about the development of religious practices and also reflect the division of labor based on gender. Men have been depicted hunting while women are shown gathering and preparing food.

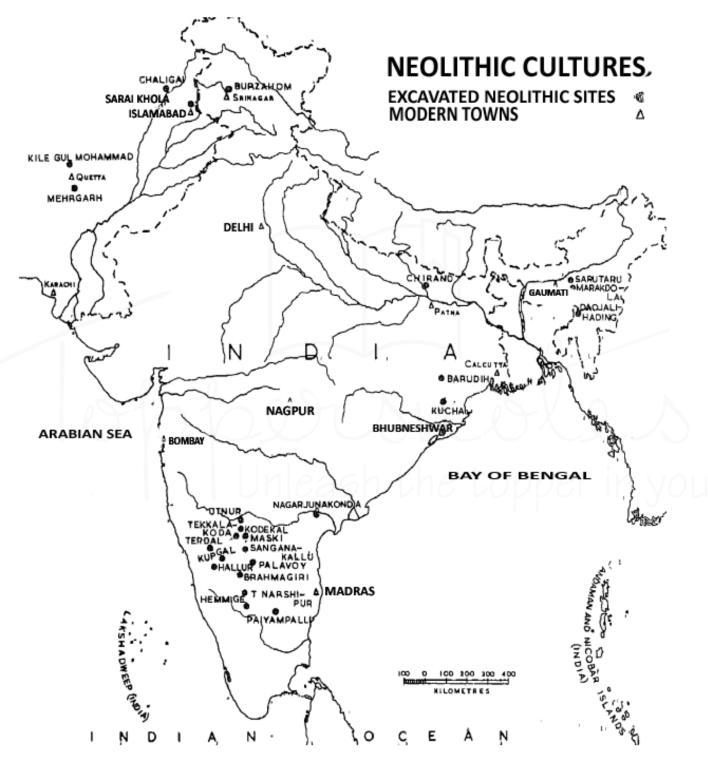
# **Important Mesolithic Sites**

- Bagore (Rajasthan)
  - o One of the biggest and best-documented Mesolithic sites in India
  - On river Kothari.
  - Provided the earliest evidence of the domestication of animals.
  - Mahadaha, Damdama, Sarai Nahar Rai (Uttar Pradesh)-
  - Evidence of **human skeletons.**
  - At Mahadaha, a man and a woman were buried together.
  - One burial had an **ivory pendant as the Grave God.**
- Mesolithic rock art sites across India
  - O Central India such as Bhimbetka caves, Kharwar, Jaora and Kathotia (M.P), Sundargarh
  - Sambalpur (**Odisha**)
  - Ezhuthu Guha (Kerala)
- Langhnaj (Gujarat ) and Biharanpur (West Bengal)
  - Langhnaj- Bones of wild animals (rhinoceros, blackbuck, etc.)
  - Several human skeletons
  - Large number of **microliths**



# **Neolithic Period (New Stone Age)**

- **Greek words:** Neo = new and lithic = stone.
- Coined by Sir John Lubbock in 1865.



#### **#** Characteristics

- Belongs to the Holocene geological age.
- aka 'Neolithic revolution' (by V. Gordon Childe) as it introduced a lot of important changes in man's social and economic life.
- The man transformed from food gatherer to food producer.
- Division of labor based on sex and age



- Tools and Weapons
  - Polished, pecked, and ground stone tools.
    - North-western- Rectangular axes with curved cutting edge
    - North-eastern polished stone axes with rectangular butt and occasional should red hoes.
    - Southern- axes with oval sides and pointed butt
- Agriculture
  - Grew fruits and corn like ragi and horse gram (kulati).
  - Also domesticated cattle, sheep, and goats.
- Pottery
  - Witnessed first hand-made pottery and then used foot's wheel.
  - Included grey ware, black-burnished ware, and mat impressed ware.
- Housing and Settled Life
  - People lived in rectangular or circular houses made of mud and reeds.
  - Also knew how to make boats and could spin cotton, wool, and weave cloth.
  - Inhabited mainly the hilly river valleys, rock shelters, and the hills slopes.

Two phases of Neolithic Culture-

- Aceramic- no evidence of ceramic
- **Ceramic** evidence of pottery, mud houses, copper-arrowheads, blackware pottery, painted pottery.

# # Important Neolithic Sites

- Koldihwa (lying south of Allahabad): Provides evidence of circular huts along with crude hand-made pottery.
- Mahagara: The earliest evidence of rice cultivation in the world
- Mehrgarh (Balochistan, Pakistan): earliest Neolithic site, where people lived in houses built of sundried bricks and cultivated crops like cotton and wheat.
- Burzahom (Kashmir): domestic dogs were buried along with their masters in their graves, people lived in pits and used tools made of polished stones and bones.
- **Gufkral (Kashmir):** Literal meaning "cave of the potter". This neolithic site is famous for **pit** dwelling, stone tools, and graveyards within households.
- Chirand (Bihar): bone tools made of antlers
- Nevasa: Evidence of cotton cloth
- Piklihal, Brahmagiri, Maski and Takkalakota, Hallur (Karnataka): discovery of ash mounds.

At **Chopani Mando in the Belan Valley of Vindhyas** and the middle part of the Narmada valley, occupations from **all three stages (Paleolithic to Neolithic) have been found**- also the **discovery of fossil animal bones** from this site.







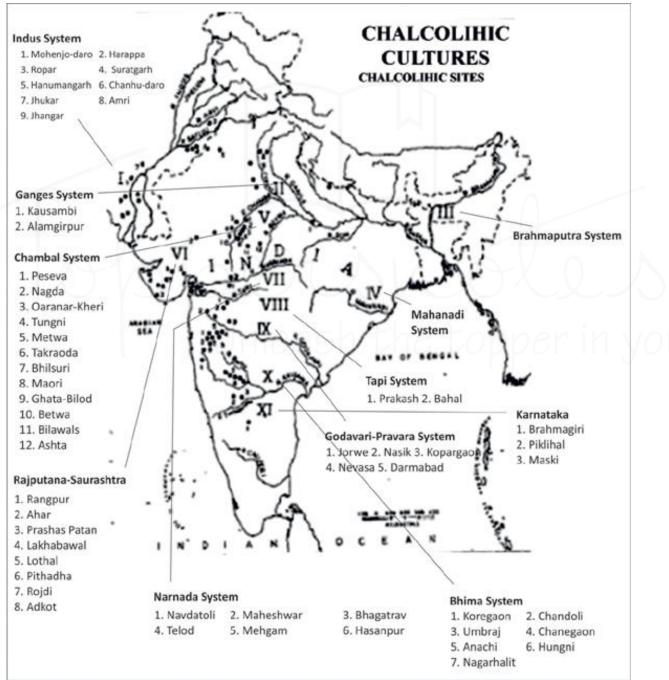
# Chalcolithic Age (3500 BC-1000 BC)



- End of the neolithic phase- people began using metals.
- First metal used copper.

Copper + low-grade bronze + stone tools = Chalcolithic phase/ Stone-copper phase

• Witnessed the emergence of the rural community along with social inequalities.



# **Characteristics**

- Pre-Harappan phase, however, some parts of the country witnessed Chalcolithic culture after the Harappan phase.
- Staple Diet Fish and rice
- No use of burnt bricks.
- Houses- mud and wattle and circular or rectangular
- Use of Gold for ornamental purposes only
- Cotton was produced in the Deccan region •
- People practiced weaving, spinning, and copper smelting
- **Evidence of Chalcolithic Settlements -**
  - south-eastern Rajasthan,
  - Western Madhya Pradesh,
  - western Maharashtra,
  - south and eastern India
- Use of tiny tools and weapons made of stones- stone blades and bladelets
- Use of black and redware (BRW).

# Other features of Chalcolithic Culture

- 1. Potterv
  - First to use painted pottery
  - Wheel made fine pottery
  - For decorative purposes- floral, animal, bird, and fish motifs were used
- 2. Ornaments
  - Beads made of semi-precious stones like steatite, quartz crystal, carnelian., etc were manufactured.
  - Common ornaments included anklets, bangles, and copper beads
- 3. Implements
  - Microlithic tools made of siliceous material were used commonly
  - Use of low-grade bronze for weapons
  - Grinders, millers, and hammers were used for food processing
- 4. Religious practices
  - Mother Goddess was worshipped
  - The bull was a symbol of the religious cult
  - Fertility cult was worshipped
  - Female figurines made of both baked or unbaked clay have been discovered at Inamgaon and Nevada
  - No evidence of a temple.
- 5. Agriculture
  - Chalcolithic settlements flourished in the black cotton soil region
  - Both Kharif and Rabi crops cultivated in rotation
  - Crops grown barley, wheat, lentil, black gram, green gram, rice, and green peas.
  - Livestock buffaloes, cows, hunted deer, goats, sheep, and pigs.
  - Remains of the camel have been discovered.
  - No evidence of plough or hoe
  - Discovery of perforated stone discs and digging sticks









### 6. Burials

- People belonging to this phase believed in after-life
- In Maharashtra, dead were buried in urns under the floor of their houses in a north-south position
- In eastern India, fractional burials were practiced.
- In Southern India, dead were buried in an east-west position
- Feet of the dead were chopped to prevent the dead from returning to this world
- In Daimabad, five urns with pierced bottoms have been discovered.

# **Important Chalcolithic Cultures and their features**

Culture	Period	Features	Sites
Ahar Culture	2100-1500 BC	<ul> <li>Distinctive black and redware with white designs</li> <li>crops grown- rice, jowar, bajra, kulthi, ragi, green peas, lentil, green and black gram.</li> <li>houses made of stones</li> </ul>	<ul> <li>Regional center- Gilund</li> <li>Important sites- Ahar and Balathal</li> </ul>
Kayatha Culture	2000-1880 BC	<ul> <li>sturdy red slipped ware painted with designs in chocolate color</li> <li>red painted buff ware</li> <li>combed ware which bore incised patterns</li> <li>Fortified settlements</li> </ul>	<ul> <li>Chambal and its tributaries</li> </ul>
Malwa Culture	1700-1200 BC	<ul> <li>coarse fabric wares with a thick buff surface having designs in black and red.</li> <li>crops grown- wheat and barley</li> </ul>	<ul> <li>Navdatoli, Eran, and Nagda - imp. settlements</li> <li>Navdatli - largest settlement</li> </ul>
Savalda Culture	2300-2000 BC	earliest farming community in Deccan	<ul> <li>Dhule district in Maharashtra</li> </ul>
Jorwe Culture	1400-700 BC	<ul> <li>Black painted ware on red with matt surface</li> </ul>	<ul> <li>Valleys of Tapi, Godavari, and Bhima</li> <li>Daimabad - largest settlement</li> </ul>
Prabhas and Rangpur Culture	2000-1400 BC	Polished redware	

# **Other Chalcolithic Sites**

- 1. Eastern Uttar Pradesh
  - Khairadih
  - Narhan
- 2. South-Eastern Rajasthan
  - Ganeshwar- shows the pre-Harappan chalcolithic culture
  - Ahar- an abundance of copper tools, stone axes or blades absent, practiced smelting and metallurgy

