

SEMESTER- III

Art, Architecture and Iconography

Course code: ARC17301CR

Unit – 1

- i. Evolution, growth and development of Art and Architecture: A Survey
(The students would be given a general idea about the evolutionary history of Art and Architecture in India in the context of endogenous developments and exogenous influences during the different phases of its history)
- ii. Structural features of ancient fortified settlements.

Unit – 2

- i. Origin and evolution of Stupa Architecture: Sanchi, Bharhut, Amaravati and Nagarjunakonda.
- ii. Development of Rock-cut Architecture: Chaityas and Viharas.
- iii. Rock-cut cave paintings of Ajanta and Bagh.

Unit – 3

- i. Temple Styles: Origin and evolution of temples; Gupta temples, Chalukyan temples, Khajuraho temples, temples of Orissa and Chola temples.
- ii. Sculpture: Main styles – Mauryan; Sunga; Kushana (Mathra and Gandhara schools); Gupta, Sarnath school; Chalukyas, Pallavas, Palas, Cholas and Chandellas.

Unit – 4

- i. Hindu Iconography: Siva; Vishnu; Brahma; Surya; Ganesa; Kartikeya; Durga; Mahishasuramardhini; Lakshmi; Saraswati; Saptamatrikas; Ashtadikpalas; Navagrahas.
- ii. Buddhist Iconography: Buddha and Bodhisattvas: Concept and Representation; The Shakyamuni Buddha; The Dhyani Buddha; The Manushi Buddha; The Bodhisattvas; Avalokitesvara, Vajrapani, Maitreya; Manjushi, Tara.

Recommended Readings

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SEMESTER- III

Epigraphy and Numismatics

Course code: ARC17302CR

Unit – 1 - (Epigraphy)

- i. Scope and importance of Epigraphy.
- ii. Antiquity of writing in India.
- iii. Origin and early history of Brahmi and Kharoshti Scripts; their orthographic nature and decipherment.
- iv. Ashokan Edicts: Nature, categories, linguistic and orthographic features, geographic distribution.
- v. Major Rock Edicts: Nos I, II, IV, VI, IX, X, XII, XIII, Lumbani inscriptions

Unit – 2 - Major Inscriptions:

Historical and cultural importance of the following inscriptions, giving the latest views and interpretations: Besnagar Garuda Pillar Inscriptions of Heliodorus; Hathigumpha Inscription of Kharavela; Nasik Cave Inscription of Vasishthiputra Pulumavi, 19th year; Junagadh Inscription of Rudradaman. Swat Relic casket inscription: Sarnath Budha image inscription of the time of Kanishka; Lucknow Museum Jain image inscription of the time of Huvishka (126 AD); Allahabad pillar inscription of Samudragupta; Aihole pillar inscription of Pulakesin II; Gwalior inscription of Mihira Bhoja; Tanjavaur inscription of Rajendra Chola and Sangli Copper plate of Govinda IV (Swarn Varsha).

Unit – 3 - Numismatic Study

- a)
 - i. Numismatics as a source of history
 - ii. Antiquity of coinage in India;
 - iii. Numismatography
 - iv. Typology and Symbolism
- b) Coin provenance: stratigraphic occurrence, stray occurrence, hoards, private and public collection; Coin metals, minting techniques, scientific analyses of coins using destructive and non-destructive methods.
- c) Coin cleaning, treatment and preservation.

Unit – 4 – Numismatics – important features

- a. Important coins and their features
General features of Punch-Marked Coins, Indo-Greek, Indo-Scythian, Indo-Parthian, Satavahana, Kushana, Imperial Gupta, Delhi Sultanate, Mughal, Afghan, Sikh, British and Local Coins.

Recommended Readings

- Allchin, F.R. and K.R. Norman. 1985. "Guide to the Ashokan Inscriptions". *South Asian Studies* 1:43-50.
- Hultzch.D. 1969. (Reprint) *Corpus Inscriptionum Indicarum* Vol.I, Varanasi: Indological Book House.
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Jha, A.K. 1998. Observations on the Principles of Typology: A Study of Ancient India Coinage, in *Ex Moneta: Essays on Numismatics in the Honour of Dr. David W. Macdowall* (A.K. Jha and Sanjay Garg Eds.), Volume 1, pp.33-42, Harman Publishing House, New Delhi.

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SEMESTER- III

Course code: ARC17303CR

Art and Architecture of Jammu & Kashmir

Unit 1: Introduction

- a. Origin and Development of Art in Jammu & Kashmir
- b. Evolution and Growth of Architecture in Jammu & Kashmir
- c. Rock art of Ladakh

Unit-2 - Early Historic art and Architecture

- a. Semthan
- b. Kushan sites, Harwan, Ahan, Kanispor
- c. Ushkur and Ambaran
- d. Ladov and Naranag

Unit-3 - Art and Architecture of Early Medieval Period

- a. Pandrethan
- b. Parihaspor and Martand
- c. Avantipora

Unit-4 - Art and Architecture

- a. Pattan temples
- b. Boniyar temple
- c. Kargil Maitriyas
- d. Ladakh Monastries
- e. Gool art, Ramban

References:

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N.V. Polosmak; Shah, M.A. & L.P. Kundo 2018. Petroglyphs of Zanskar India: findings of the 2016 season, *Journal of Archaeology, Ethnology and Anthropology of Eurasia*, 46(2), 60-77.

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SEMESTER- III

Research Methodology

Course code: ARC17304CR

Unit – 1 – Research Methodology in Archaeology

- a. Application of the scientific method in archaeology and post-positivist responses.
- b. Basic concepts in philosophy of science used in research methodology: induction, deduction; hypothesis; proposition, analogy and explanation, and nomothetic versus idiographic controversy.

Unit – 2 – Processual Archaeology

- a. New archaeology and related trends: behavioral archaeology, Marxist trends, cultural materialism, *Annales* school and middle range research.
- b. Shortcomings of the new archaeology and the rise of post-processual archaeology.

Unit – 3 – Post-Processual Archaeology

- a. Main trends within post-processual archaeology: cognitive archaeology, structuralist and hermeneutical trends, impact of postmodernism, feminist archaeology.
- b. Application of the new archaeology and later trends in Indian archaeology.

Unit – 4 – Research design & Analytical Archaeology

- a. Principal aspects of research design formulation; examples of planned archaeological research: outside India and Indian examples.
- b. Techniques of field data collection and analysis.
- c. Thesis/proposal writing.

Recommended Readings

- Bernard Knapp, B. (Ed.). 1992. *Archaeology, Annales and Ethnohistory*. Cambridge University Press.
- Binford, L.R. 1989. *Debating Archaeology*. New York: Academic Press.
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- Johnson, M. 1999. *Archaeological Theory: An Introduction*. Malden (Ma): Blackwell Publishers.
- Kelley, J.H. and M.P. Hanen 1990. *Archaeology and the Methodology of Science*. Albuquerque: University of New Mexico Press.
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- Paddayya, K. 1981. Piaget, Scientific Method and Archaeology. *Bulletin of the Deccan College Research Institute* 40: 235-264.
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- Schiffer, M.B. 1995. *Behavioral Archaeology: First Principles*. Salt Lake City: University of Utah Press.
- Shanks, M. and C. Tilley. 1987. *Sociol Theory as Archaeology*. Cambridge: Polity Press.
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SEMESTER- III

Museum Management

Course code: ARC17305DCE

Unit – 1 – Museology: Basic Principles and Practice

- a. Definition of Museum, Museology and New Museology; Aims and Functions of Museum, Museum in an age of Globalisation.
- b. History of World and Indian Museum Movement. Types of Museums and their Classification.
- c. Report Writing on one of the following - Indian Museum, Kolkata, National Museum, New Delhi, Central Asian Museum, Kashmir University Srinagar, SPS Museum Srinagar, Dogra Museum Jammu.

Unit – 2 – Collection and Documentation of Artifacts

- a. Aims, methods and ethics of collection
- b. Documentation; Identification, classification, accessioning, cataloguing, indexing, data processing, information retrieval, computerization, insurance of museum objects, photographic record of museum collection
- c. Principles of classification and methods of identification of museum materials; terminology for describing museum objects.
- d. Research in museums, examples of museum contribution to research, research facilities.

Unit – 3 – Museum Administration and Legislation

- a. Museum and their administrative control; Staff and their duties
- b. Museum and Public Relations: Visitors and their comforts
- c. Supervision and security.
- d. The Indian Treasure-Trove Act, 1878
- e. The Ancient Monuments and Archaeological Sites and Remains Act 1958
- f. Antiquity and Art Treasure Act, 1972

Unit – 4 – Museum Exhibition and Education

- a. Development of the key concept of an exhibition
- b. Museum educational goals
- c. Exhibition as a source of education

Recommended Reading

Baxi, S.J. and V. Dwivedi. 1973. *Modern Museum: Organisation and Practice in India*. New Delhi: Abhinav Publication.

Bedekar, V.H. (Ed.) 1988. *New Museology and Indian museum: Report based on proceedings of All India Seminar held at Gawahati*. Assam.

Bhatnagar, A. 1999. *Museum, Museology and New Museology*. New Delhi: Sandeep Prakashan.

Chaudhari, A.R. 1963. *Art museum documentation & practical handling*. Hyderabad: Chaudhary & Chaudhary.

Dwivedi, V.P. 1980. *Museum and Museology New Horizons*. Delhi: Agam Kala Prakashan.

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Ghosh, D.P. 1968. *Studies in Museum and Museology in India*. Calcutta: Indian publication.

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Moore, Kevin (Ed.). 1994. *Museum Management*. London: Routledge.

Pearce, S.M. 1990. *Archaeological Curatorship*. London: Leicester University Press.

Punja, S. 1990. *Illustrated Guide to Museum of India*. Hong Kong: Guide Book Co. Ltd.

UNESCO Publication. 1960. *The Organization of Museums: Practical Advice*. Paris: UNESCO.

Zaheer, M. 1963. *Museum Management, accession, indexing, custody, labelling and verification & object*. Lucknow: Ram Advani Book Seller.

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Kak, R.C. 1923. *Handbook of the Archaeological and Numismatic Sections of the Sri Pratap Singh Museum, Srinagar, Calcutta, Thacker Spink & CO.*

SEMESTER- III

Ancient Indian History - 1

Course code: ARC17306DCE

Unit-1 -Vedic Age:

Economy, Society and Culture – Early and later Vedic period

Unit-2 - Magadhan Empire:

- a. Janpadas, Mahajanapadas and the Emergence of Magadha as an empire; second urbanization; Important city sites.
- b. Persian and Greek invasions and their influences.

Unit-3-Mauryan Empire:

Sources; Empire building; Administrations; Economy and Culture.

Unit-4- Religious Traditions in Ancient India:

Vedic Religions; Transformation of Vedic Religion into Brahmanical Religion; Shaivism, Vaisnavism, Shaktism; Heterodox sects – Buddhism, Jainism, Ajivikism, Tantricism.

(The students would be introduced to changing history of different religions and cults; sects within religious beliefs; religious texts, rituals and mythology)

Recommended Readings

- Altekar, A.S. 1973. *Position of Women in Hindu Civilization*. Delhi: Motilal Banarasidass.
- Altekar, A.S. 1975. *Education in Ancient India*. Varanasi: Manohar Prakashan.
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- Banerjea, G. 1923. *The Hindu Law of Marriage and Stridhana*. Calcutta: Calcutta University.
- Chopra, P.N., B.N. Puri, and M.N. Das 1974. *Social, Cultural and Economic History of India*. Delhi: Macmillian India.
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- Eliade, M. 1975. *Rites and Symbols of Initiation*. London: Harper and Row.
- Ghosh, A. 1973. *The City in Early Historical India*. Simla: Indian Institute of Advanced Study.
- Gonda, J. 1980. *Vedic Rituals-the Non-Solemn Rites*. Leiden. E.J. Brill.
- Horner, D.B. 1930. *Women under Primitive Buddhism*. London: George Routledge and sons Ltd.
- Hutton, J.H. 1963. *Caste in India*. Oxford: Oxford University Press.
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- Motichandra 1977. *Trade and Trade Routes in Ancient India*. New Delhi. Abhinav Publications.
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- Sharma, R.S. 1985. *Material Culture and Social Formation in Ancient India*. New Delhi: Macmillian India.
- Sharma, R.S. 1966. *Light on Early Society and Economy*. Bombay: Manaktalas.
- Sharma, R.S. 1965. *Indian Feudalism*. Calcutta: Calcutta University.
- Sharma, R.S. 1958. *Shudras in Ancient India*. Delhi: Motilal Banarasidass.
- Sontheimer, G.D. 1977. *The Joint Hindu Family and its Evolution as a Legal Institution*. New Delhi: Munshiram Manoharlal.
- Thapar, Romila 1984. *Ancient Indian Social History: Some Interpretations*. Hyderabad: Orient Longmans Ltd.
- Warmington, E.H. 1928. *Commerce between the Roman Empire and India*. Cambridge: Cambridge University Press.
- Wheeler, R. E. M. 1954. *Rome beyond the Imperial Frontiers*. London: G.Bell and Sons. Ltd.

SEMESTER- III

Environmental Archaeology

Course code: ARC17307DCE

Unit – 1 – Introduction

- a. Nature and Scope.
- b. Geological Time Scale.
- c. Quaternary Period

Unit – 2 – Distinctive Features of Quaternary Period

- a. Glacial.
- b. Fluvial
- c. Lacustrinal
- d. Aeolian

Unit – 3 – Palaeo-environmental Reconstruction

- a. Ancient Vegetation.
- b. Ancient Fauna.
- c. Climatic Variations

Unit – 4 – Quaternary Stratigraphy

- a. Aeolian Stratigraphy (Western India).
- b. Indian Rivers (Northern India).
- c. Sea Level Fluctuations.

Recommended Reading:

Goldberg, P., and R. I. Macphail. 2006. *Practical and Theoretical Geoarchaeology*. Oxford: Blackwell.

Holliday, Vance T.. 2004. *Soils in Archaeological Research*. Oxford: Oxford University Press.

Abeyratne, M., N. A. Spooner, R. Grun, and J. M. Head. 1997. Multidating studies of Batadomba Cave, Sri Lanka. *Quaternary Science Reviews* 16:243-255.

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Barker, G., H. Barton, M. Bird, P. Daly, I. Datan, A. Dykes, L. Farr, D. Gilbertson, B. Harrison, C. Hunj, T. Higham, L. Kealhofer, J. Krigbaum, H. Lewis, S. McLaren, V. Paz, A. Pike, P. Piper, B. Pyatt, R. Rabett, T. Reynolds, J. Rose, G. Rushworth, M. Stephens, C. Stringer, J. Thompson, and C. S. M. Turney. 2007 The 'human revolution' in lowland tropical Southeast Asia: the antiquity and behavior of anatomically modern humans at Niah Cave (Sarawak, Borneo). *Journal of Human Evolution* 52 243-261.

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2004. First Joint Meeting of ICSU Dark Nature and IGCP 490. Edited by S. Leroy and P. Costa, pp. 26-30.

Cullen, H. M., P. B. deMenocal, S. Hemming, G. Hemming, F. H. Brown, T. Guilderson, and F. Sirocko. 2000 Climate change and the collapse of the Akkadian empire. *Geology* 28:379-

Hoffecker, J. F., V. T. Holliday, M. V. Anikovich, A. A. Sinitsyn, V. V. Popov, S. N. Lisitsyn, G. M. Levkovskaya, G. A. Pospelova, S. L. Forman, and B. Giaccio. 2008. From the Bay of Naples to the River Don: the Campanian Ignimbrite eruption and the Middle to Upper Paleolithic transition in Eastern Europe. *Journal of Human Evolution* 55:858-870.

Huffman, F. O., J. D. Vos, W. B. Aart, and F. Aziz. 2010. Provenience Reassessment of the 1931–1933 Ngandong *Homo erectus* (Java), Confirmation of the Bone-Bed Origin Reported by the Discoverers. *PaleoAnthropology* 2010:1-60.

Kealhofer, L., P. Grave, H. Genz, and B. Marsh. 2009. Post-Collapse: the re-emergence of polity in Iron age Bogazkoy, Central Anatolia. *Oxford Journal of Archaeology* 28:275-300.

Kourampas, N., I. A. Simpson, N. Perera, S. U. Deraniyagala, and W. H. Wijeyapala. 2009. Rockshelter sedimentation in a dynamic tropical landscape: Late Pleistocene-Early Holocene archaeological deposits in Kitulgala Beli-lena, southwestern Sri Lanka. *Geoarchaeology* 24:677-714.

Marriner, N., and C. Morhange. 2007. Geoscience of ancient Mediterranean harbours. *Earth-Science Reviews* 80:137-194.

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Pappu, R. S. 1995. The Contribution of Earth Science to the Development of Indian Archaeology, in *Quaternary Environments and Geoarchaeology of India*, Edited by S. Wadia, R. Korisettar, and V. S. Kale, pp. 414-434. Bangalore: Memoirs of the geological Society of India 32.

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Weiss, H., and R. S. Bradley. 2001. What Drives Societal Collapse? *Science* 291:609-61.

Weiss, H., M. A. Courty, W. Wetterstrom, G. Guichard, F. Senior, R. H. Meadow, and A. Curnow. 1993. Genesis and Collapse of Third Millennium North Mesopotamian Civilization. *Science* 261:995-1004.

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SEMESTER- III

General Elective

Archaeological Sites of Kashmir

Course code: ARC17308GE

Unit – 1 – Prehistoric Sites

- a. Burzahom,
- b. Gufkral,
- c. Kanispora,
- d. Bomai.

Unit – 2 – Early Historic Sites

- a. Semthan
- b. Harwan
- c. Ushkur
- d. Kanispora
- e. Kutbal,
- f. Ahan