

AC 27-2-2013  
Item No.4.52

UNIVERSITY OF MUMBAI



**Revised Syllabus for the M.A.**

**Program: M.A.**

**Course: Numismatics & Archaeology  
Semester I & II**

(As per Credit Based Semester and Grading System  
with effect from the academic year 2012–2013)

## M.A. Syllabus as per Credit Based and Grading System

### Numismatics and Archaeology

1. Syllabus as per Credit Based and Grading System.
  - i. Name of the Program: M.A. (96 Credits)
  - ii. Course Code: -
  - iii. Course Title: Numismatics and Archaeology
  - iv. Semester wise Course Contents: - Listed below
  - v. References and additional references: -Listed below
  - vi. Credit structure: I Sem / II Sem - 24 / 24
  - vii. No. of lectures per week / semester :- 4 lectures/ week  
60 classroom hours + 60 Self-study Hours/ Semester
2. Scheme of Examination: - Listed below
3. Special notes, if any: - Nil
4. Eligibility, if any: - As per University Rules
5. Fee Structure: - As per University Rules
6. Special Ordinances / Resolutions, if any: - As per Academic Council

#### M. A. Part I Syllabus

Semester	Name of the Course	Remarks
I	<ul style="list-style-type: none"> <li>• Foundation in Archaeology &amp; Numismatics – Part I</li> </ul>	Core Course
	<ul style="list-style-type: none"> <li>• Introduction to Indian Epigraphy and Palaeography – Part I</li> </ul>	Core Course
	<ul style="list-style-type: none"> <li>• Coinage of Ancient India up to A.D. 640 – Part I</li> </ul>	Core Course
	<ul style="list-style-type: none"> <li>• Coinage of Medieval India up to A.D. 1200 – Part I</li> </ul>	Core Course
	<ul style="list-style-type: none"> <li>• <b>Field Visits to the one of the following sites is compulsory</b></li> <li>• <b>This should be followed by the submission of the Report on the given assignment.</b>``</li> </ul>	i) The Chhatrapati Shivaji Maharaj Vastu Sangrahalay (CSMVS) Coin Gallery ii) The India Government Mint, Mumbai iii) R.B.I. Numismatic Museum, Mumbai

		iv) Deccan College PGRI Museum, Pune. iv) Indian Institute for Research in Numismatic Studies, Anjaneri, Nashik
II	• Foundation in Archaeology & Numismatics – Part II	Core Course
	• Introduction to Indian Epigraphy and Palaeography – Part II	Core Course
	• Coinage of Ancient India up to A.D. 640 – Part II	Core Course
	• Coinage of Medieval India up to A.D. 1200 – Part I	Core Course

**Minimum Qualification for Teachers:**

Course Code	Name of the Course	Minimum Qualification of Teachers
PAAIC NA 101	Foundation in Archaeology & Numismatics – Part I	M.A. in Ancient Indian History, Culture & Archaeology, History, Numismatics & Archaeology or any allied subject with specialization in Archaeology with publications
PAAIC NA 102	Introduction to Indian Epigraphy and Palaeography – Part I	M.A. in Ancient Indian History, Culture & Archaeology, History, Numismatics & Archaeology or any allied subject with specialization in Epigraphy with Publications
PAAIC NA 103	Coinage of Ancient India up to A.D. 640 – Part I	M.A. in Ancient Indian History, Culture & Archaeology, History, Numismatics & Archaeology or person with specialization in Numismatics with 5 years experience and/or with publications
PAAIC NA 104	Coinage of Medieval India up to A.D. 1200 – Part I	M.A. in Ancient Indian History, Culture & Archaeology, History, Numismatics & Archaeology or person with specialization in Numismatics with 5 years experience and/or with publications
PAAIC NA 201	Foundation in Archaeology & Numismatics – Part II	M.A. in Ancient Indian History, Culture & Archaeology, History, Numismatics & Archaeology any allied subject with specialization in Archaeology with publications
PAAIC NA 202	Introduction to Indian Epigraphy and Palaeography – Part II	M.A. in Ancient Indian History, Culture & Archaeology, History, Numismatics & Archaeology or any allied subject with

		specialization in Epigraphy with Publications
PAAIC NA 203	Coinage of Ancient India up to A.D. 640 – Part II	M.A. in Ancient Indian History, Culture & Archaeology, History, Numismatics & Archaeology or person with specialization in Numismatics with 5 years experience and/or with publications
PAAIC NA 204	Coinage of Medieval India up to A.D. 1200 – Part II	M.A. in Ancient Indian History, Culture & Archaeology, History, Numismatics & Archaeology or person with specialization in Numismatics with 5 years experience and/or with publications

**Semester I: Course I (Core Course) PAAIC NA 101  
FOUNDATION IN ARCHAEOLOGY & NUMISMATICS – PART I**

**1. Archaeology & Numismatics:**

- i. What is Archaeology and how is it related to Numismatics
- ii. Sources used in the study of Archaeology
- iii. Explorations and Excavations
- iv. The importance and application of Numismatics and Numismatic Data to Archaeology

**2. Scope, Methods and Theory in Archaeology with special reference to Field Archaeology, New Archaeology and Interpretation of archaeological data**

- i. Scope of activity
- ii. Methods of Field Archaeology
- iii. Interpretation of Archaeological data
- iv. Theories in Archaeology (Intuitive, Processual and Post-Processual)

**3. Conservation and Preservation of archaeological antiquities**

- i. Conservation
- ii. Preservation
- iii. Documentation

**4. Application of Digital Technology in archaeology and numismatics**

- i. GIS and Satellite Imagery
- ii. Computers and the Internet

**Reference Books:**

Agarwal O.P., (2007). *Essentials of Conservation & Museology* - Sandeep Prakashan. New Delhi

Agrawal, D.P. (1982). *Archaeology of India*. Copenhagen: Scandinavian Institute of Asian Studies

Allchin, B and R. Allchin. (1983). *The Rise of Civilisation in India and Pakistan*. London: Cambridge University Press

Bahn, P. and C. Renfrew, (2012). *Archaeology: Theory, Method and Practices*. Thames and Hudson: London

Dhavalikar, M.K. (1999). *Historical Archaeology of India*. New Delhi: Books and Books.

Ghosh, A. (ed.). (1989). *An Encyclopedia of Indian Archaeology (2 Vols.)*. New Delhi: Munshiram Manoharlal

Fagan, Brian, (2008). *Archaeology: A Brief Introduction*. Prentice Hall: New Jersey.

Gupta, P L, ed (1987). *Numismatics and Archaeology*. Nasik: Indian Institute of Research in Numismatic Studies.

Gupta, S.P. (1980). *The Roots of Indian Art*. Delhi: B.R. Publishing House.

Jain, V. K. (2009). *Prehistory and Protohistory of India – An Appraisal*: Delhi: D. K. Printworld

Mujumdar, S.N. (1927). *McCrintle's Ancient India as Described by Ptolemy*. Calcutta: Chhckerverty, Chatterjee and Company Ltd.

Ray, S C (1959). *Stratigraphic Evidence of Coins in Indian Excavations and Some Allied Issues*. Varanasi.

Sankalia, H.D. (1974). *Pre and Protohistory of India and Pakistan*. Pune: Deccan College.

Schiffer, M (2002). *Behavioural Archaeology*. Percheron Press: New York

Sharer, R and W. Ashmore. (2002). *Archaeology: Discovering our Past*. McGraw-Hill: New York

Wheeler, R. E. M. (1952) *Archaeology from Earth*. Oxford: Clarendon Press

**Semester I: Course II (Core Course) PAAIC NA 102**

**INTRODUCTION TO INDIAN EPIGRAPHY & PALAEOGRAPHY – PART I**

**1. Writing systems of the World:**

- i Writing in India and the rest of the World
- ii Antiquity of writing in India and the Indian subcontinent
- iii Materials and techniques of writing

**2. Brahmi script**

- i. Origin in India and elsewhere
- ii. Earliest evidences in India and in rest of South Asia
- iii. Decipherment
- iv. System of writing and Topography

**3. Various types of Brahmi scripts**

- i. Pre-Mauryan Brahmi
- ii. Mauryan Brahmi
- iii. Kshatrapa Brahmi
- iv. Gupta Brahmi
- v. Post Gupta Brahmi
- vi. Kutila Brahmi
- vii. Sharada Brahmi

**4. Development of Brahmi script through ages and regions of South Asia**

- i. North India
- ii. South India
- iii. Western India
- iv. Eastern India
- v. Afghanistan
- vi. Ceylon and other countries

**Recommended Reading**

Allchin, F.R. and K.R. Norman. 1985. "Guide to the Ashokan Inscriptions". *South Asian Studies*

1:43-50.

Bhattacharya, H K (1959). *The Language and Scripts of Ancient India*. Calcutta: Bani Prakashan.

Bright, William (1990). *Written and Spoken Languages in South Asia. In his Language Variation in South Asia*. New York: Oxford University Press.

Buhler, Georg (1882). *On the Origin of the Indian Alphabets and Numerals*, Indian Antiquity, Vol. XI, p. 268.

Buhler, Georg (1904). *Indian Palaeography*. Pathe: Eastern Book House.

Burnell, A.C. (1878). *Elements of South Indian Palaeography*. London.

Crystal David (1987). *The Cambridge Encyclopedia of Language*. Cambridge: Cambridge University Press.

Cunningham, A. (1877). *Corpus Inscriptionum Indicarum- vol. I - Inscriptions of Ashoka*. Calcutta.

Dani, Ahmad Hasan (1963). *Indian Palaeography*. Delhi: Munshiram Manoharlal.

Daniels, P.T, Willima Bright, eds (1996). *The World's Writing Systems*. Oxford: Oxford University Press.

Diringer, David (1969). *The Alphabet: A Key to History of mankind*. New York: Funk and Wagnallas, 3<sup>rd</sup> ed.

Gai, G. S. (1986). *Introduction to Indian Epigraphy*. Mysore: Central Institute of Indian Languages.

Gelb, I.J. (1963). *A Study of Writing*. Chicago: University of Chicago Press.

Gokhale, S. 1991. *Kanheri Inscriptions*. Pune: Deccan College.

Gupta, P. L. (1983). *Pracheen Bharat ke Pramukh Abhilekh* Varanasi: Annupurna Prakashan (Hindi)

Gupta, Pandey, Ramachandran K.S., eds (1979). *The Origin of Brahmi*. Delhi: D K Publications.

Jensen, Hans (1970). *Sign, Symbol and Script- An Account of Man's Efforts to Write*. London: George Allen and Unwin Ltd. 3<sup>rd</sup> ed.

Mahalingam, T V (1967). *Early South Indian Palaeography*. Madras: University of Madras Press.

Ojha, G.H., *Bharatiya Prachin Lipimala* (Hindi). New Delhi: Munshiram Manoharlal.

Pandey, Rajbali (1952). *Indian Palaeography*. Varanasi: Motilal Banarasidas.

Parikh P C (1974). *Gujaratman Brahmithi Nagari Sudhino Lipivikas (I sha 1500 sudhi)*. Ahmedabad: Gujarat University.(Gujarati).

Patel, P G, Pramod Pandey and Dilip Rajgor, eds (2007). *The Indic Scripts - Palaeographic and Linguistic Perspectives*. New Delhi: D K Printworld.

Rajgor, Dilip (2000). *Palaeolinguistic Profile of Brahmi Script*. Delhi: Pratibha Prakashan.

Saloman, Richard (1996). *Brahmi and Kharoshthi*, in Daniels, P.T, Willima Bright, eds (1996). *The World's Writing Systems*. Oxford: Oxford University Press.

Shamasastri, R (1973). *The Origin of the Devanagari Alphabets*. Varanasi: Bharati Prakashan.

Sircar, D C (1965). *Indian Epigraphy*. Delhi: Motilal Banarasidas.

Sircar, D C (1971). *Introduction to Indian Epigraphy and Palaeography*. *Journal of Ancient Indian History*, vol. 4, pp. 72-136.

Sivaramamurthi, C (1952) *Indian Epigraphy and South Indian Scripts*. Madras: Bulletin of the Madras Govt Museum.

Upasak, C S (1960). *The History and Palaeography of Mauryan Brahmi Script*. Patna: Nava Nalanda Mahavidyalaya.

Verma, T. P. (1971). *The Palaeography of Brahmi Script in North India*. Varanasi: Siddhartha Prakashan.

Wakankar, L S (1968). *Ganesh-Vidya: The Traditional Indian Approach to Phonetic Writing*. Bombay: Script Study Group.



Walawalkar, A B (1951) *Pre-Ashokan Brahmi: A Study on the Origin of Indian Alphabet*. Bombay: Muni Brothers.

Wankar, Pradeep D. (2008) *Brahmi Teacher: How to study Brahmi Coins*. Chandrapur: Chandrapur Coin Society.

### **Semester I: Course III (Core Course) PAAIC NA 103**

#### **COINAGE OF ANCIENT INDIA UP TO A.D. 640 – PART I**

##### **1. Introduction of money and antiquity of coinage in:**

- i. South Asia
- ii. Surrounding regions

##### **2. Minting Technology of ancient Indian coins**

- i. Punch-marked technique
- ii. Casting technique
- iii. Die-Struck technique (shifted from no. 10)

##### **3. Coinage of ancient India – Part I**

- i. Punch-marked Coinage of Janapada series
- ii. Punch-marked Coinage of Imperial series
- iii. Provincial Punch-marked Coinage
- iv. Uninscribed Cast Coinage
- v. Coinage of Tribal/Republican States (Ganas and Janapadas)
- vi. Coinage of Monarchies (Rajavamshas)
- vii. Coinage of City-States (Nagaras)

##### **4. Coinage of ancient India – Part II**

- i. Gupta Empire
- ii. Satavahanas
- iii. Western Kshatrapas
- iv. Contemporary dynasties

## Recommended Reading

Aggarwal, Madhuri (1988). *Pracheen Bharatiya Sikko aur Mohuro par Brahmana Devi-Devata aur Unke Pratik.*

Delhi: Ramanand Vidya Bhavan (Hindi)

Agrawala, V S (1953). 'Ancient Coins as Known to Panini', JNSI, vol. 15, pp. 27-31.

Allan, John (1936). *Catalogue of coins in the British Museum, Ancient India.* Reprint 1989

Patna: Eastern Book House

Altekar, AS (1953). 'Origins and Early History of Coinage in Ancient India', JNSI, vol. 15, pp. 1-26.

Altekar, AS (1954). *The Gupta Gold Coins in the Bayana Hoard.* Varanasi: Numismatic Society of India.

Altekar, A.S. (1957). *The Coinage of the Gupta Empire.* Varanasi: Numismatic Society of India.

Bhandarkar, D.R. 1921. *Carmichael Lectures on Ancient India Numismatics.* Calcutta, Calcutta University.

Bhardwaj, H C (1979). *Aspects of Ancient Indian Technology.* Delhi: Motilal Banarsidas.

Bhatt, S K (1998). *Nishka- The Rig Vedic Money.* Indore: Academy of Indian Numismatics and Sigillography.

Cribb, Joe (1983). 'Investigating the Introduction of Coinage in India-A Review of Recent Research', JNSI, 1983, pp. 80-101.

Cribb, Joe (1983). *Dating India's Earliest Coins,* South Asian Archaeology, Naples, pp. 535-554.

Cribb, Joe, Barrie Cook and Ian Carradice, eds (1990). *The Coin Atlas: A Comprehensive View of the Coins of the World throughout History*. London: Time Warner.

Cribb, Joe (2005). *The Indian Coinage Tradition: Origins, Continuity & Change*. Nasik: Indian Institute of Research in Numismatic Studies.

Dasgupta, Kalyan Kumar (1974). *A Tribal History of Ancient India: A Numismatic Approach*. Calcutta: Nababharat Publishers.

Datta, Mala. (1990). *A Study of the Satavahana Coinage*. Delhi: Harman Publishing House.

Dhavalikar, M.K. 1975. *Prachin Bharatiya Nanakshastra*. Pune: Maharashtra Vidyapeeth Granthanirmiti Mandal. (Marathi)

Gupta, M.L. 'Chatak'. (2000) *Erichh ka Pracheen Itihaas aur Sikke*. Jhansi: Krishna Prakashan. (Hindi translated in English by Shailendra Bhandare)

Gupta P.L. (1966). *Bharat ke Poorva-Kalik Sikke*. Varanasi: Vishwavidyalaya Prakashan. (Hindi)

Gupta P.L. (2003). *Pracheen Bharatiye Mudraye*. Varanasi: Vishwavidyalaya Prakashan. (Hindi)

Gupta P.L. (1969). *Coins*. National Book Trust. New Delhi

Gupta, P.L. and T Hardaker (1985). *Ancient Indian Silver Punchmarked coins of the Magadha-Maurya Karshapana series*. Nasik: Indian Institute of Research in Numismatic Studies.

Handa, Devendra (2007). *Tribal Coins of Ancient India*. New Delhi: Aryan Books International.

Hirano, Shinji (2007). *The Ghaghara-Gandak River Region c. 600-300 BC, Archaic Silver Punchmarked Coinage*. Nasik: Indian Institute of Research in Numismatic Studies.

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.

- Jha Amiteshwar (2003). *Bharatiya Sikke: Ek Aitihāsik Parichay*. Nasik: Indian Institute of Research in Numismatic Studies. Hindi.
- Jha Amiteshwar & Dilip Rajgor (1994). *Studies in the Coinage of the Western Kshatrapas*. Nasik: Indian Institute of Research in Numismatic Studies.
- Kothari, Narendra, Dilip Rajgor, ed. (2006). *Ujjayini Coins*. Mumbai: Reesha Books International.
- Kulkarni, Prashant (2004). *Ashvamedha: The Yajna and the Coins*. Mumbai: Reesha Books International.
- Kulkarni, V. A. (2007) *Naanak Kala*. Kalyan: Kalyan Itihaas Mandal. (Marathi)
- Mangalam, S J and Pushpa Tiwari (2001). *Shankar Tiwari Collection of Early Coins from Narmada Valley*. Bhopal: Directorate of Archaeology, Archives and Museums.
- Mitchiner, Michael (1973). *Origins of Indian Coinage*. London: Hawkins Publications.
- Mukherjee, B N (1992). *Coins and Currency System in Gupta Bengal*. Delhi.
- Mukherjee, B N (1993). *Coins and Currency Systems of Post-Gupta Bengal*. Delhi: Munshiram Manoharlal.
- Mukherjee, B. N. (1990). *The Indian Gold: an Introduction to the cabinet of gold coins in the Indian Museum*. Calcutta: Indian Museum
- Mukherjee, B. N.; Lee P.K.D. (1998). *Technology of Indian Coinage*. Calcutta: Indian Museum.
- Murphy, Paul (2001). *Kosala State Region: c. 600-470 BC, Silver Punch-marked Coinage*. Nasik: Indian Institute of Research in Numismatic Studies.
- Pandit, Suraj (2012). *Age of Traikutakas: Coins, Inscription and Art*. Delhi: Agam Kala Prakashan
- Prakash, Satya; Singh, Rajendra (1968) *Coinage in Ancient India*. Delhi: The Research Institute of Asian Scientific Studies
- Rajgor, Dilip (1994). *Numismatic Chronology of Gujarat: From 600 BC to AD 200*. Bombay: University of Bombay, unpublished Ph D thesis.

- Rajgor, Dilip (1998). *History of the Traikutakas- Based on coins and inscriptions*. New Delhi: Harman Publications.
- Rajgor, Dilip (2001). *Punch-marked Coins of Early Historic India*. California: Reesha Books International.
- Rapson. E.J. 1908. *Catologue of Coins of Andhra Dynasty, Western Kshatrapas etc*. London: British Museum.
- Ray, S C (1959). *Stratigraphic Evidence of Coins in Indian Excavations and Some Allied Issues*. Varanasi.
- Sarma, I K (1980). *Coinage of the Satavahana Empire*. Delhi: Agam Kala Prakashan.
- Shastri, A.M. (Ed.) 1999. *Age of Satavahanas* (2 volumes).New Delhi: Aryan Prakashan.
- Singh, Meenakshi (2006). *Gupta Yuga: Ek Mudrashastriya Adhyayan*. Varanasi: Kala Prakashan
- Sahani, Birbal (1959). *The Technique of Casting Coins in Ancient India*. Varanasi: Bharatiya Publishing House.
- Sarasvati, O. (1979). *Ancient Mints of Haryana*. Jhajjar.
- Shrimali, K M (1985). *History of Panchala, vols. I-II*. Delhi: Munshiram Manoharlal.
- Sonawane, K. R. (2007). *Junni Naani va Bharatacha Itihaas*. Satana: Gaokari Printing Press (Marathi)
- Thakur, A.S. (2004). *Charchit Bharatiya Sikke*. (Hindi) . Chandrapur. Harivansh Prakashan
- Upadhyaya, Vasudev (2005). *Bharatiye Sikke*. Allahabad: Bharati Bhandar. (Hindi)
- van't Haaff PA(2004). *Saurashtra (c. 450-50 BC) Surasena (c. 500-350 BC), Silver Punch-marked Coinage*. Nasik: Indian Institute of Research in Numismatic Studies.

**Semester I: Course IV (Core Course) PAAIC NA 104  
COINAGE OF MEDIEVAL INDIA UP TO A.D. 1200 – PART I**

**1. Medieval coinage of the Indo-Sassanian type minted by various dynasties in north India:**

- i. Gurjara-Pratiharas
- ii. Chalukyas of Gujarat and Vaghelas of Gujarat
- iii. Shilaharas of Konkan

## **2. Medieval coinages of North and Central India:**

- i. Yadavas of Tribhuvanagiri (Bayana)
- ii. Chauhans of Shakambhari and Ajmer, Chauhanas of Ajmer, Jajapellas of Nalapura (Narwar)
- iii. Chauhanas of Ranthambhor, Gahadavalas of Kanauj and Kashi
- iv. Kalachuris of Tripuri, Kalachuris of Ratnapura
- v. Chandellas of Jajakabhukti
- vi. Paramaras of Malwa

## **3. Medieval coinages of southern India:**

- i. Hoyasalas, Chalukyas of Kalyani, Kadambas of Goa, Hangal Kadambas
- ii. Alupas, Yadavas of Devagiri, Gangas
- iii. Cholas, Pallavas etc.

## **4. Medieval issues of Afghanistan:**

- i. Turks
- ii. Hindu Shahis of Kabul and Gandhara

## **Reference Books:**

Ameta, Pankaj (2001). *Malwa ke Parmar Shaskon ki Rajasva Vyavastha*. Indore: Academy of Indian Numismatics and Sigillography. (Hindi)

Bruce Collin, et al. (1985). *Standard Guide to South Asian Coins and paper Money since 1556*. Iowa: Krause Publications.

Deyell, John S. (1990). *Living Without Silver: The Monetary History of Early Medieval North India*. Delhi: Oxford University Press.

Elliot, W. 1970. (Reprint) *Coins of South India*. Varanasi: Indological Book House.

Ganesh, K and Girijapathy (1998). *The Coins of the Hoysalas*. Bangalore.

Ganesh, K (2002). *The Coins of Tamilnadu*. Bangalore.

Gupta P.L. (1966). *Bharat ke Poorva-Kalik Sikke*. Vishwavidyalaya Prakashan. Varanasi

Gupta P.L. (1969). *Coins*. National Book Trust. New Delhi

Mitchiner, Michael (1998). *The Coinage and History of Southern India, Part I Karnataka-Andhra, Part II Tamilnadu-Kerala*. London: Hawkins Publications.

Muni Jinavijaya, ed. (1961). *Dravya Pariksha of Thakkura Pheru*. Jodhpur.

Nagaswamy, R. *Tamil Coins: A Study*.

Narasimhamurthy, AV(1975). *The Coins of Karnataka*. Mysore: Geetha Book House.

Pokharna, Premalata (2006). *Coins of North India (500-1200 AD), A Comprehensive Study on Indo-Sassanian Coins*. Jaipur: Unique Traders.

Prabhu, Govindaraya, S and Nithyananda Pai M. (2006). *The Alupas: Coinage and History*. Udupi.

Rhodes, N G and S K Bose (2003). *The Coinage of Assam, vol. I Pre-Ahom Period*. Kolkata: Library of Numismatic Studies.

Sarasan, Beena (2000). *Coins of the Venad Cheras*. Calicut: Poorna Publications.

Thakur, A.S. (2004). *Charchit Bharatiya Sikke*. (Hindi) Chandrapur. Harivansh Prakashan.

Various volumes of the Journal of the Numismatic Society of India, Varanasi; the ICS Newsletter, Mumbai; Oriental Numismatic Society Newsletter, London; Numismatic Studies, New Delhi; Indian Numismatic Chronicle, Patna; Numismatic Supplement, Kolkata; Studies in South Indian Coins, Chennai; Numismatic Digest, Nashik, Journal of the Academy of Indian Numismatics and Sigillography, Indore.

**Semester II: Course I (Core Course) PAAIC NA 201**

**FOUNDATION IN ARCHAEOLOGY & NUMISMATICS – PART II**

**1. The origin and growth of integrated disciplines of archaeology and numismatics in:**

- i. Historiography of Archaeology
- ii. A Review of Indian Archaeology
- iii. Historiography of Numismatics

**2. Contemporary studies and recent growth of archaeology and numismatics in India.**

- i. Contemporary studies
- ii. Recent Growth
- iii. International numismatic environment: Awards & fellowships, Associations and Publications

**3. Numismatics as Commerce:**

- i. Government and private enterprise
- ii. As an alternative source of investment
- iii. Trading & auctions
- iv. Coin Portfolio - Management and Analysis
- v. Grading and Valuation of numismatic items

**4. Statutory provisions regarding Numismatic and other Archaeological Antiquities**

- i. Treasure Trove Act
- ii. Antiquities and Art Treasures Act

**Recommended Reading**



- Agrawal, D.P. (1982). *Archaeology of India*. Copenhagen: Scandinavian Institute of Asian Studies
- Allchin, Bridget and Raymond Allchin (1982). *Rise of Civilization in India and Pakistan*.  
Cambridge: Cambridge University Press.
- Bhandarkar, D R (1921). *Lectures on Ancient Indian Numismatics*. Delhi: Asian Educational Services, reprint.
- Chakrabarti, Dilip K. (1999). *India: an Archaeological History*, New Delhi.
- Childe, V. Gordon *Progress and Archaeology*, 1944, London.
- Childe, V. G., *A Short Introduction to Archaeology*.
- Childe, V.G. 1951. *Man Makes Himself*. New York: Mentor.
- Dancey, W. S., *Archaeological Field Methods*.
- Daniel, G., *Hundred and Fifty years of Archaeology*.
- Ghosh, A. 1990. *Encyclopaedia of Indian Archaeology* (two volumes). New Delhi: Munshiram Manoharlal.
- Gupta, P L, ed (1987). *Numismatics and Archaeology*. Nasik: Indian Institute of Research in Numismatic Studies.
- Jain V. K., (2009) *Prehistory and Protohistory of India – An Appraisal* Delhi: D. K. Printworld.
- Lal, Makhan. 1984. *Settlement History and the Rise of Civilization in the Ganga-Yamuna Doab*.  
New Delhi: B.R Publishing House.
- Paddayya, K. (ed.). 2002. *Recent Studies in Indian Archaeology*. New Delhi: ICHR and Munshiram.
- Roy, S. (1961), *The Story of Indian Archaeology 1784-1947*, Delhi: Archaeology Survey of India.

Sankalia, H.D. 1977. *Prehistory of India*. New Delhi: Munshiram Manoharlal.

Sankalia, H.D. 1974. *Pre and Protohistory of India and Pakistan*. Pune: Deccan College

Sharma, G.R. *et al.* 1980. *Beginnings of Agriculture*. Allahabad: Allahabad University Press.

Singh, Purushottam. 1991. *Neolithic Origins*. New Delhi: Agam Kala Prakashan.

Zumkhawala, A. T. (2011) *Standard Guide to Coin Collecting*. Reesha Publications. Mumbai

*The Antiquities and Art Treasures (Act No. 52 of 1952) with Rules, 1973 and Notifications*. Delhi:Delhi Law House.

## **Semester II: Course II (Core Course) PAAIC NA 202**

### **INTRODUCTION TO INDIAN EPIGRAPHY & PALAEOGRAPHY – PART II**

#### **1. Kharosthi script**

- i. Origin
- ii. Development
- iii. Decipherment
- iv. System of writing
- v. Topography

#### **2. Transformation of Brahmi into Devanagari and other Indian scripts**

- i. Devanagari (Nagari)
- ii. Gurumukhi
- iii. Bangla
- iv. Gujarati
- v. Tamil
- vi. Other important modern scripts

#### **3. Introduction to Greek and Bactrian Greek Scripts**

- i. Greek script
- ii. Bactrian Greek (Kushana) script

#### 4. Introduction to Arabic and Persian Scripts

- i. Arabic script
- ii. Persian script

#### Reference Books:

Bright, William (1990). *Written and Spoken Languages in South Asia. In his Language Variation in South Asia*. New York: Oxford University Press.

Buhler, Georg (1882). *On the Origin of the Indian Alphabets and Numerals*, Indian Antiquity, Vol. XI, p. 268.

Buhler, Georg (1904). *Indian Palaeography*. Pathe: Eastern Book House,

Burnell, A.C. (1878). *Elements of South Indian Palaeography*. London.

Crystal David (1987). *The Cambridge Encyclopedia of Language*. Cambridge: Cambridge University Press.

Cunningham, A. (1877). *Corpus Inscriptionum Indicarum- vol. I - Inscriptions of Ashoka*. Calcutta.

Dani, Ahmad Hasan (1963). *Indian Palaeography*. Delhi: Munshiram Manoharlal.

Daniels, P.T, Willima Bright, eds (1996). *The World's Writing Systems*. Oxford: Oxford University Press.

Diringer, David (1969). *The Alphabet: A Key to History of mankind*. New York: Funk and Wagnallas, 3<sup>rd</sup> ed.

Gai, G. S. (1986). *Introduction to Indian Epigraphy*. Mysore: Central Institute of Indian Languages.

Gelb, I.J. (1963). *A Study of Writing*. Chicago: University of Chicago Press.

Mahalingam, T V (1967). *Early South Indian Palaeography*. Madras: University of Madras Press

Mangalam, S.J. 1990. *Kharoshthi Script*. Delhi: Eastern Book Linkers

Mukherjee, B. N. (2005), *Origin of Brahmi and Kharoshti Scripts*, Kolkata: Progressive Publishers

Ojha, G.H., *Bharatiya Prachin Lipimala* (Hindi). New Delhi: Munshiram Manoharlal.

Pandey, Rajbali (1952). *Indian Palaeography*. Varanasi: Motilal Banarasidas.

Parikh P C (1974). *Gujaratman Brahmithi Nagari Sudhino Lipivikas (I sha 1500 sudhi)*. Ahmedabad: Gujarat University.(Gujarati).

Patel, P G, Pramod Pandey and Dilip Rajgor, eds (2007). *The Indic Scripts - Palaeographic and Linguistic Perspectives*. New Delhi: D K Printworld.

Saloman, Richard (1996). *Brahmi and Kharoshthi*, In Daniels, P.T, Willima Bright, eds (1996). *The World's Writing Systems*. Oxford: Oxford University Press.

Shaikh, Shafi (1978). *A Course in Spoken Arabic*. Oxford University Press. New Delhi

Shamasastri, R (1973). *The Origin of the Devanagari Alphabets*. Varanasi: Bharati Prakashan.

Sircar, D C (1965). *Indian Epigraphy*. Delhi: Motilal Banarasidas.

Sircar, D C (1971). *Introduction to Indian Epigraphy and Palaeography*. *Journal of Ancient Indian History*, vol. 4, pp. 72-136.

Sivaramamurthi, C (1952) *Indian Epigraphy and South Indian Scripts*. Madras: Bulletin of the Madras Govt Museum.

Verma, T. P. (1971). *The Palaeography of Brahmi Script in North India*. Varanasi: Siddhartha Prakashan

**Semester II: Course III (Core Course) PAAIC NA 203**

**COINAGE OF ANCIENT INDIA UP TO A.D. 640 – PART II**

**1. Literary references of early coins in India with special reference to:**

- i. Arthashastra of Kautilya
- ii. Ashtadhyayi of Panini
- iii. Angavijja

**2. Coinage of Foreign Invaders:**

- i. Indo-Bactrians and Indo-Greeks
- ii. Indo-Scythians
- iii. Indo-Parthians
- iv. Kushanas

**3. Post Gupta Coinage:**

- i. Palas and Shashanka
- ii. Traikutakas, Valabhis
- iii. Maukharis and Kalachuris

**4. Ancient Coinage of southern India:**

- i. Pandyas
- ii. Cheras
- iii. Pallavas
- iv. Ikshvakus
- v. Vishnukundins

**Recommended Reading**

Agrawala, V S (1953). *Ancient Coins as Known to Panini*. JNSI, vol. 15, pp. 27-31.

- Allan, J. (1967). *Catalogue of coins in the British Museum, Ancient India*. London: British Museum.
- Altekar, AS (1953). *Origins and Early History of Coinage in Ancient India*, JNSI, vol. 15, pp. 1-26.
- Bopearachchi, Osmund (1991). *Monnaies Greco-Bactriennes et Indo-Grecques Catalogue Raisonne*. Paris: Bibliotheque Nationale. (French)
- Bopearachchi, Osmund (1993). *Indo-Greek, Indo-Scythian and Indo-Parthian Coins in the Smithsonian Institution*. Washington, D C: Smithsonian Institution.
- Chattopadhyaya, Bhaskar. 1967. *The Age of the Kushanas - A Numismatic Study*. Calcutta: Punthi Pustak.
- Chattopadhyaya, B (1977). *Coins and Currency System in South India, c. AD 225-1300*. Delhi: Manohar
- Cribb, Joe, Barrie Cook and Ian Carradice, eds (1990). *The Coin Atlas: A Comprehensive View of the Coins of the World throughout History*. London: Time Warner.
- Elliot, W. 1970. (Reprint) *Coins of South India*. Varanasi: Indological Book House.
- Gopal, Lallanji (1966). *Early Medieval coin types of Northern India*. Varanasi: Numismatic Society of India
- Gupta P.L. (1966). *Bharat ke Poorva-Kalik Sikke*. Vishwavidyalaya Prakashan. Varanasi
- Gupta P.L. (1969). *Coins*. Delhi: National Book Trust.
- Gupta, P.L. and Sarojini Kulashreshtha 1993. *Kushana Coins and History*. New Delhi: D.K.Publishers.
- Jha Amiteshwar (2003). *Bharatiya Sikke: Ek Aitihasic Parichay*. Nasik: Indian Institute of Research in Numismatic Studies. (Hindi).
- Kothari, Narendra, Dilip Rajgor, ed. (2006). *Ujjayini Coins*. Mumbai: Reesha Books International.
- Krishnamurthy, R. (1997). *Sangam Age Tamil Coins*. Madras: Garnet Publications.
- Mangalam, S J and Pushpa Tiwari (2001). *Shankar Tiwari Collection of Early Coins from Narmada Valley*. Bhopal: Directorate of Archaeology, Archives and Museums.

Mitchiner, Michael (1979). *Indo-Greek and Indo-Scythian Coinage, vols. 1-9*. London: Hawkins Publications.

Mitchiner, Michael (1998). *The Coinage and History of Southern India, Part I Karnataka-Andhra, Part II Tamilnadu-Kerala*. London: Hawkins Publications.

Mukherjee, B. N. (1990). *The Indian Gold: An Introduction to the cabinet of gold coins in the Indian Museum*. Calcutta: Indian Museum

Narain A. K. (1957) *The Indo-Greeks*. Oxford: Clarendon Press.

Rajgor, Dilip (1994). *Numismatic Chronology of Gujarat: From 600 BC to AD 200*. Bombay: University of Bombay, unpublished Ph D thesis.

Senior, R C (2001). *Indo-Scythian Coins and History, vol. I-III*. London: Classical Numismatic Group.

Shrava, Satya (1985). *The Kushana Numismatics*. Delhi: Pranava Prakashan.

Srivastava, A.K. 1969. *Catalogue of Indo-Greek Coins in the State Museum, Lucknow*: State Museum.

Srivastava, A.K. 1972. *Catalogue of Saka Pahlava Coins of Northern India in the State Museum, Lucknow*. Lucknow: Lucknow State Museum.

Thakur, A.S. (2004). *Charchit Bharatiya Sikke*. (Hindi) Chandrapur. Harivansh Prakashan.

Whitehead, R.B. (1910). *Catalogue of Coins in the Punjab Museum, Lahore, Vol.I: Indo-Greek Coins*. Oxford: Clarendon Press.

**Semester II: Course IV (Core Course) PAAIC NA 204**

**COINAGE OF MEDIEVAL INDIA UP TO A.D. 1200 –PART II**

**1. Introduction of Islamic currency into India:**

- i. Amirs of Sind, Arab Governors of Sind
- ii. Amirs of Multan

**2. Shahi derivative coinage in Northern India**

- i. Issues of Tomaras and Chahamanas of Delhi
- ii. Issues of early Islamic rulers of Delhi (Dehliwals or Jitals)

**3. Coinage of the Yaminids of Ghazni and the Punjab (Ghaznavids)**

- i. Yaminids of Ghazni/Afghanistan
- ii. Yaminids of Punjab
- iii. Delhi Sultanate derivatives of late Yaminid coinage in Punjab

**4. Numismatic Forgeries:**

- i. Contemporary forgeries (official and unofficial from mints/market)
- ii. Modern and recent forgeries (to cheat experts and collectors in last two centuries)
- iii. Replicas
- iv. Copies and Imitations

**Recommended Reading:**

Ameta, Pankaj (2001). *Malwa ke Parmar Shaskon ki Rajasva Vyavastha*. Indore: Academy of Indian Numismatics and Sigillography. (Hindi)

Bruce Collin, et al. (1985). *Standard Guide to South Asian Coins and paper Money since 1556*. Iowa: Krause Publications.



Deyell, John S. (1990). *Living Without Silver: The Monetary History of Early Medieval North India*. Delhi: Oxford University Press.

Ganesh, K and Girijapathy (1998). *The Coins of the Hoysalas*. Bangalore.

Ganesh, K (2002). *The Coins of Tamilnadu*. Bangalore. Gupta P.L. (1966). *Bharat ke Poorva-Kalik Sikke*. Vishwavidyalaya Prakashan. Varanasi

Gupta P.L. (1969). *Coins*. New Delhi: National Book Trust.

Mitchiner, Michael (1998). *The Coinage and History of Southern India, Part I Karnataka-Andhra, Part II Tamilnadu-Kerala*. London: Hawkins Publications.

Muni Jinavijaya, ed. (1961). *Dravya Pariksha of Thakkura Pheru*. Jodhpur.

Nagaswamy, R. *Tamil Coins: A Study*.

Narasimhamurthy, AV(1975). *The Coins of Karnataka*. Mysore: Geetha Book House.

Pokharna, Premlata (2006). *Coins of North India (500-1200 AD), A Comprehensive Study on Indo-Sassanian Coins*. Jaipur: Unique Traders.

Prabhu, Govindaraya, S and Nithyananda Pai M. (2006). *The Alupas: Coinage and History*. Udupi.

Rhodes, N G and S K Bose (2003). *The Coinage of Assam, vol. I Pre-Ahom Period*. Kolkata: Library of Numismatic Studies.

Sarasan, Beena (2000). *Coins of the Venad Cheras*. Calicut: Poorna Publications.

Tye, Robert; Tye, Monica (1995). *Jitals: A Catalogue and Account of the Coin Denomination of Daily Use in Medieval Afghanistan and North-West India*. Isle of South Uist:

Various volumes of the Journal of the Numismatic Society of India, Varanasi; the ICS Newsletter, Mumbai; Oriental Numismatic Society Newsletter, London; Numismatic Studies, New Delhi; Indian Numismatic

Chronicle, Patna; Numismatic Supplement, Kolkata; Studies in South Indian Coins, Chennai; Numismatic Digest, Nashik, Journal of the Academy of Indian Numismatics and Sigillography, Indore.

**Paper Pattern: As per University Rule Examination pattern will be of 40:60 Marks**

**Internal Examination: 40 Marks:**

(Teacher may conduct one or two internal exams as per the requirement of the course. Internal Assessment examinations will be conducted by teachers teaching the particular Course for each Course in each Semester.)

30 Marks: Home Assignment, Class test, Project Report, Oral Exam (for Language Papers), Field Visit Report, Paper Presentation, etc.

10 Marks: Overall Conduct.

**Semester End Exam: 60 Marks**

(There will be four questions in each question paper which will be based on the every semester syllabus. All Questions are Compulsory. Each Question will be given the internal option. All questions will carry equal marks.)

Q1: Based on Unit 1.	OR	Based on Unit 1.	15 Marks
Q2: Based on Unit 2.	OR	Based on Unit 2.	15 Marks
Q3: Based on Unit 3.	OR	Based on Unit 3.	15 Marks
Q4: Based on Unit 4.	OR	Based on Unit 4.	15 Marks