

**POSTGRADUATE DEPARTMENT OF ANCIENT INDIAN HISTORY, CULTURE AND ARCHAEOLOGY**

Rashtrasant Tukadoji Maharaj Nagpur University

Mahatma Jyotiba Fuley Academic Campus, Amravati Road, Nagpur- 440 033.

M.A I, II, III, and IV Semesters

Syllabus, Scheme of Instructions/ Examination

(Choice Based Credit System) (CBCS)

**For Regular Students**

(To be effective from the Academic year 2019-20)

**M. A. (SEMESTER- I)**

Group- A (Archaeology)

S. No.	Course	Paper Theory	Lecture hours/week + Assignment*	Credits	Maximum Marks Theory +Internals	Minimum marks
1T1	Core	Outline of Indian History Up to 13 <sup>th</sup> Century CE	4	4	80 + 20 = 100	40
1T2	Core	Indian Historiography	4	4	80 + 20 = 100	40
1T3	Elective	Prehistory of India <b>OR</b>	4	4	80 + 20 = 100	40
1T4		Ethno Archaeology	4			
1T5	Elective	Principles of Archaeology <b>OR</b>	4	4	80 + 20 = 100	40
1T6		Archaeology of Vidarbha	4			
1P1		Practical / Field work**	4	4	80+20=100	40
1TW1		Training/ Workshop	2	2	50	20
1S1		Seminar/Conference	2	2	50	20
<b>TOTAL</b>			32	24	400+ 200= 600	240

\*Students should be asked to submit an Assignment on a topic for each of the four Core and Elective papers. The assignment can be a write-up or a presentation for the 20 marks allocated as part of Internal Assessment.

\*\* 80 = Practical- Museum Display and 20= Viva-Voce

**M. A. (SEMESTER- II)**

## Group- A (Archaeology)

S. No.	Course	Paper Theory	Lecture hours/week + Assignment*	Credits	Maximum Marks Theory +Internals	Minimum marks
2T1	Core	Epigraphy and Palaeography	4	4	80 + 20 = 100	40
2T2	Core	Indian Architecture	4	4	80 + 20 = 100	40
2T3	Elective	Proto-History of India	4	4	80 + 20 = 100	40
2T4		Science and Archaeology	4			
2T5	Elective	Methods of Archaeology	4	4	80 + 20 = 100	40
2T6		Post Excavation Analysis and Report Writing	4			
2P1		Practical / Field work**	4	4	80+20=100	40
2TW1		Training/ Workshop	2	2	50	
2S1		Seminar/Conference	2	2	50	
<b>TOTAL</b>			32	24	400+ 200= 600	240

Students should be asked to submit an Assignment on a topic for each of the four Core and Elective papers. The assignment can be a write-up or a presentation for the 20 marks allocated as part of Internal Assessment.

\*\* 80 = Practical- Surveying, Drawing, Modelling, Photography and 20= Viva-Voce

**M. A. (SEMESTER- III)**

## Group- A (Archaeology)

S. No.	Course	Paper Theory	Lecture hours/week + Assignment*	Credits	Maximum Marks Theory +Internals	Minimum marks
3T1	Core	Indian Numismatics	4	4	80 + 20 = 100	40
3T2	Core	Research Methodology	4	4	80 + 20 = 100	40
3T3	Elective	Historical Archaeology <b>OR</b>	4	4	80 + 20 = 100	40
3T4		Harappan Culture	4			
3T5	Elective	Prehistoric World <b>OR</b>	4	4	80 + 20 = 100	40
3T6		Art & Architecture Of Vidarbha	4			
3P1		Practical / Field work**	4	4	80+20=100****	40
3TW1		Training/ Workshop	2	2	50	20
3S1		Seminar/Conference	2	2	50	20
<b>TOTAL</b>			32	24	400+ 200= 600	240

\* Students should be asked to submit an Assignment on a topic for each of the four Core and Elective papers. The assignment can be a write-up or a presentation for the 20 marks allocated as part of Internal Assessment.

\*\* 80 = Practical- Tour Report/Exploration/Excavation + 20= Viva-Voce

**M. A. (SEMESTER- IV)**

Group- A (Archaeology)

<b>S. No.</b>	<b>Course</b>	<b>Paper Theory</b>	<b>Lecture hours/week + Assignment*</b>	<b>Credits</b>	<b>Maximum Marks Theory +Internals</b>	<b>Minimu m marks</b>
4T1	Core	Art and Iconography	4	4	80 + 20 = 100	40
4T2	Core	Heritage Conservation	4	4	80 + 20 = 100	40
4T3	Elective	Iron Age in India <b>OR</b>	4	4	80 + 20 = 100	40
4T4		Antiquarian Laws	4			
4T5	Elective	Museology <b>OR</b>	4	4	80 + 20 = 100	40
4T6		Ancient Civilizations	4			
4P1		Project**	8	8	200	80
<b>TOTAL</b>			32	24	400+200= 600	240

\* Students should be asked to submit an Assignment on a topic for each of the four Core and Elective papers. The assignment can be a write-up or a presentation for the 20 marks allocated as part of Internal Assessment..

\*\*Project on a topic related to archaeology under the supervision of any faculty of the Department.

Project=160 + Viva-Voce=40, Total = 200 Marks

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**M.A I, II, III, and IV Semesters**  
Detailed Syllabus, Scheme of Instructions/ Examination  
(Choice Based Credit System) (CBCS)  
(To be effective from the Academic year 2019-20)

**M. A. (SEMESTER- I)**

Group- A (Archaeology) Detailed Syllabus

**Paper: - 1T1 - Outline of Indian History Up to 1206 CE**

1. Introduction - Geographical Factors in Indian History – Sources –Periodization of Indian History.
2. Early historical period -16 Mahajanapadas, Rise of Magadha, Foreign Invasions, Mauryan dynasty, Sungas, Satavahanas, Sakas, Kushanas, Gupta and Vakataka.
3. Dynastic History of North India post 606 CE:Pushyabhutis, Pratiharas, Palas, Sena, Gauda, Kalachuris, Chandellas, Paramaras, Chauhans, Gahadavalas.
4. Invasions - Arab Invasion, Mahmud Ghazni, Muhammad Ghori, Establishment of the Delhi Sultanate

**Books Recommended:**

1. Allchin, F.R. 1995. The Archaeology of Early Historic South Asia: the Emergence of Cities and States. Cambridge: Cambridge University Press.
2. Datta,K.K., Mujumdar, R.C.,Raychaudhari,H.C., 1974 Advanced History of India, Macmillan India
3. Devahuti, D. 1970. Harsha - A Political History. Oxford: Clarendon Press.
4. Goyal, S.R. 1986. Harsha and Buddhism. Meerut: Kusumajali Prakasan.
5. Jha, D. N., 2010 Ancient India, Manohar Publishers and Distributors, New Delhi,
6. Jha, Amiteshwar and Dilip Rajgor. 1994. Studies in the Coinage of the Western Kshatrapas Anjaneri (Nasik): Indian Institute of Research in Numismatic Studies.
7. Kosambi, D.D. 1985. An Introduction to the Study of Indian History. (reprint) Bombay: Popular Prakasan.
8. Mujumdar,R.C.& Pussalkar,A.D., History and Culture of Indian People, Bhartiya Vidya Bhavan
9. Majumdar, R.C. and A.D. Pusalkar (ed.). 1950. The Vedic Age. Bombay: Bharatiya Vidya Bhavan.
10. Majumdar, R.C. (ed.). 1966. The Age of Imperial Unity. Bombay: Bharatiya Vidya Bhavan.
11. Majumdar, R.C. (ed.). 1970. The Classical Age. Bombay: Bharatiya Vidya Bhavan.
12. Majumdar, R.C. (ed.). 1971. The Age of Imperial Kannauj. Bombay: Bharatiya Vidya Bhavan.
13. Majumdar, R.C. (ed.). 1972. The Struggle for the Empire. Bombay: Bharatiya Vidya Bhavan.
14. Mirashi, V.V. 1981. The History and Inscriptions of the Satavahanas and the Western Kshatrapas, Bombay: State Board of Literature.
15. Narain, A.K. 1957. The Indo-Greeks. Oxford: Oxford University Press.
16. Raychoudhuri, H.C. 1950. Political History of Ancient India. (5th ed.) Calcutta: University of Calcutta.

17. Sharma, R.S. 1965. Indian Feudalism. Calcutta: University of Calcutta.
18. Shastri, K.A.N and G. Srinivasachari. 1970. Advanced History of India. London: Macmillan and Co.
19. Shastri, K.A.N. 1966. History of South India. (IIIrd ed.) Oxford: Oxford University Press.
20. Shastri, K.A.N. 1952. The Age of the Nandas and Mauryas. Banaras: Motilal Banarsidas.
21. Shastri, K.A.N. 1957. A Comprehensive History of India vol. II. (The Mauryas and Satavahanas).Bombay: Orient Longmans.
22. Shastri, A.M. (ed.). 1999. Age of Satavahanas, 2 vols., Aryan Prakashan, New Delhi.
23. Thapar, Romila, 1990, History of India, Penguin Books
24. Thapar, Romila. 1973. Ashoka and the Decline of the Mauryas (2nd ed) Oxford: Oxford University Press.
25. पाण्डेय, विमलचंद्र, प्राचीनभारत का इतिहास S.Chand & Co, 2003, New Delhi
26. वाजपेयी कृष्णदत्त तथा विमलचंद्र पाण्डेय, प्राचीनभारत का इतिहास

**Paper: 1T2 – Indian Historiography**

1. Meaning of Historiography, Nature of history and scope of history
2. Interpretation of data, causation and historicism
3. Traditional Indian Methods of History writing, Interpretation of Facts and their authenticity, Nationalist and Leftist approaches, Rewriting of History.
4. History and other Disciplines: Archaeology, Anthropology, Geography. Economics, Political Science, Sociology, Literature and Pure Sciences.

**Books Recommended:**

1. Barnes, A History of Historical Writings, University of Oklahoma Press, 1937
2. Pathak, V.S., Ancient Historians of India, Bombay 1966, Gorakhpur, 1984.
3. Thapar, Romila, Tradition of Historical Writing in Early India, (in Ancient Indian Social History), Orient Longman, New Delhi, 1978.
4. Shankar Goyal, Contemporary Interpreters of Ancient India, Book Enclave, Jaipur, India, 2003.
5. E. Shreedharan, A Textbook of Historiography 500 BC to AD 2000.
6. गायकवाड, सरदेसाई व हनमाने, इतिहासलेखनशास्त्र Phadke book sellers, Kolhapur, 1990,
7. आठवले, सदाशिव, इतिहासाचे तत्वज्ञान Sahyadri books, 1986

## **Paper: 1T3 - Prehistory of India**

1. Geological Time Scale; Human Evolution; Palaeo-environment-Prehistoric Flora and Fauna.
2. Stone Age technologies – Tool types, probable uses and their techniques of manufacture.
3. Palaeolithic Cultures – Regional distribution, stratigraphy and Cultural evidence –
  - i. The Himalayan context: Soan valley, Himachal Siwaliks,
  - ii. Western India: Rajasthan, Gujarat
  - iii. Central India: Madhya Pradesh
  - iv. The Peninsular India: Maharashtra, Andhra Pradesh, Telangana, Tamil Nadu and Karnataka.
  - v. Eastern India- West Bengal & Odisha.
4. Mesolithic Culture – Characteristic features, Extent, Tool Typology and Technology
  - i. Alluvial plain adaptation: Baghor, Chopani-Mando, Birbhanpur;
  - ii. Horse-shoe lake sites: Sarai-Nahar Rai, Mahadaha;
  - iii. Sand dune landscape: Langhnaj, Bagor
  - iv. Plateau occupation: Paisra
  - v. Prehistoric Rock Art in India: Types and Distribution

### **Books Recommended:**

1. Allchin, Bridget and Raymond, 1997, *Origins of Civilization*, Viking Publishers
2. Allchin, F.R. 1963, *Neolithic Cattle Keepers of South India*, Cambridge University Press;
3. Bell, J. 1994. *Reconstructing Prehistory: Scientific Method in Archaeology*, Philadelphia: Temple University.
4. Binford, L.R. 1983. In *Pursuit of the Past: Decoding the Archaeological Record*. London: Thames and Hudson.
5. Binford, L. R. 1973. *An Archaeological Perspective*. New York: Seminar Press.
6. Binford, L.R. 1983. *Working at Archaeology*. New York: Academic Press.
7. Binford, L.R. 1989. *Debating Archaeology*. New York: Academic Press.
8. Chakrabarti, D.K. 1988. *A History of Indian Archaeology: From the Beginning to 1947* New Delhi: Munshiram Manoharlal.
9. Childe, V.G. 1956. *Piecing Together the Past: The Interpretation of Archaeological Data*. London: Routledge and Kegan Paul.
10. Clark, J.G.D. 1939. *Archaeology and Society*. London: Methuen.
11. Clarke, J.G.D. 1982. *The Identity of Man*. London: Methuen.
12. Clarke, D.L. 1963. "Archaeology: The Loss of Innocence." *Antiquity* 47:6-8.
13. Daniel Glyn, *The Origins and Growth of Archaeology*
14. Daniel, Glyn E. 1975. *150 years of Archaeology*. London: Duckworth.
15. Daniel, Glyn, E. 1981. *A Short History of Archaeology*. London: Thames and Hudson.
16. Dunnell, R.C. 1971. *Systematics in Prehistory*. New York: Free Press.
17. Embree, Lester 1987. "Archaeology: The Most Basic Science of All" *Antiquity* 61:75-78.
18. Fagan, B. 1988. *In the Beginning: An Introduction to Archaeology*. Glenview (Illinois): Scott, Foresman and Company.
19. Hayden, Brian 1993. *Archaeology: The Science of Once and Future Things*. New York: W.H. Freeman and Company.

20. Hodder, I. 1986. Reading the Past: Current Approaches to Interpretation in Archaeology. 2nd ed. Cambridge: Cambridge University Press.
21. Hodder, Ian. 1999. The Archaeological Process: An Introduction. Oxford: Blackwell Publishers.
22. Hole, F. and R. F. Heizer 1973. Introduction to Prehistoric Archaeology. New York: Holt, Reinhart and Winston.
23. Kennedy, K.A.R., 2000, God Apes and Fossil Man : Palaeoanthropology in South Asia
24. Knudson, S.J. 1978. Culture in Retrospect. Chicago: Rand McNally.
25. Kuznar, L.A. 1997. Reclaiming Scientific Anthropology. Walnut Creek, California: Altamira Press.
26. Mishra, F., Researches in Archaeology and Conservation
27. Mishra, V.N., Prehistoric Human Colonization in India, Indian Academy of Sciences, *Junior Bioscience*, Vol. 26, No. 4, Supplement, November 2001, 491–531,
28. Paddyya, K., New Archaeology and its Aftermath
29. Rao, S.R., Marine Archaeology of Indian Ocean Countries, Proceedings of the First Indian Conference on Marine Archaeology of Indian Ocean Countries – Oct 1987, National Institute of Oceanography, Dona Paula, Goa 403 004
30. Renfrew, C. and P. Bahn 1991. Archaeology: Theories and Methods and Practice. London: Thames and Hudson.
31. Sankalia, H.D. 1964 Stone Age Tools: Their Techniques and Functions, Deccan College, Pune
32. Sinha, B.P., 1969, Potteries in Ancient India, Dept of AIHC&A, Patna University, Patna
33. Spaulding, A.C. 1960. "The Dimensions of Archaeology" in N. Hammond (ed.) Readings in Archaeology and Physical Anthropology.
34. Trigger, Bruce. 1989. A History of Archaeological Thought. Cambridge: Cambridge University Press.
35. Wheeler, R.E.M., 1954, Archaeology from the Earth, Oxford Clarendon Press
36. पाण्डे, जयनारायण, पुरातत्त्वविमर्ष, इलाहाबाद Prachya Vidya Sansthan,
37. देव, सां.भा., 1979 पुरातत्त्वविद्या, नागपूर Sahyadri Books
38. ढवळीकर, म. के., १९८० पुरातत्त्वविद्या, मुम्बई महाराष्ट्र राज्य साहित्य संस्कृति मंडल,

**Paper: 1T4 - Ethnoarchaeology**

1. Definition, Scope and Methods of Ethno archaeology.
2. Origin and Development of Ethno archaeology, Review of Ethno archaeology history in India
3. Ethno archaeology and reconstruction of past material culture, Analogy, Direct Historical Approach
4. Living Traditions of Pre and Proto Historic Lifestyles- Hinting & Gathering, Settlement Patterns, Ceramic Technology, Art, Disposal of Dead, Metallurgical Practices



## Books Recommended:

1. Ajay Pratap. 2000. *The Hoe and the Axe: Ethno history of Shifting Cultivation in Eastern India*. New Delhi: Oxford University Press.
2. Allchin, B. (ed.) 1994. *Living Traditions: South Asian Ethno archaeology*. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
3. Michael, J. Balick and Paul Alan Cox. 1996. *Plant, People and the Science of Ethno botany*, Museum of Anthropology, University of Michigan, Ann Arbor.
4. Barkataki, S. 1969. *Tribes of Assam*. New Delhi: National Book Trust, India.
5. Bettinger, R. L. 1987 *Archaeological Approaches to Hunter- gatherers*, *Annual Review of Anthropology* 16:121-142.
6. Pakem, B. Bhattacharya, J.B., Dutta, B.B. and B. Datta Ray. 1980. *Shifting Cultivation in North-East India*, North East India Council for Social Science Research, Shillong (2nd revised edition).
7. Bichieri, M. G. (ed.) 1972. *Hunters and Gatherers Today*. New York: Holt, Rinehart and Winston.
8. Binford, L. R. 1988. *In Pursuit of the Past*. New York: Thames and Hudson.
9. Cooper, Z. 1992 "The Relevance of the Forager/Collector Model to Island Communities in the Bay of Bengal." *Man and Environment* XVII (2): 111-122.
10. Cooper, Z. 2002. *Archaeology and History: Early Settlement in the Andaman Islands*. New Delhi: Oxford University Press.
11. David N. and C. Kramer. 2001. *Ethnoarchaeology in Action*. Cambridge University Press.
12. Fuchs, S. 1973. *The Aboriginal Tribes of India*. Delhi: Macmillan India.
13. Gould R.A. 1980. *Living Archaeology*. Cambridge: Cambridge University Press.
14. Grigg, D.B. 1980. *The Agricultural Systems of the World*, Cambridge University Press, Cambridge, (chapter on Shifting Agriculture, pp.37-75).
15. Griffin, P. B. and W. G. Solheim II. 1990. "Ethnoarchaeological Research In Asia." *Asian Perspectives* 28 (2): 145-161.
16. Jain, S.K. 1991. *Contributions to Indian Ethnobotany*, Scientific Publishers, Jodhpur.
17. Kramer C. (ed.) 1980 *Ethnoarchaeology*. Guildford Survey: Columbia University Press.
18. Lee, R. B. and I. Devore (Ed.) 1975. *Man, the Hunter*. Chicago: Aldine Publishing Co. Second Edition.
19. Leshnik, L. S. and G. Sontheimer (eds.) 1975. *Pastoralists and Nomads*. Wiesbaden: Otto Harrassowitz.
20. Maheshwari. J.K, 1996. *Ethnobotany in South Asia*, Scientific Publishers, Jodhpur.
21. Meehan, B. and R. Jones (eds.) 1988. *Archaeology with Ethnography: An Australian Perspective*, Department of Prehistory, Research School of Pacific Studies, the Australian National University, Canberra.
22. Misra, V.N. 1990. "The Van Vagris - `Lost' Hunters of the Thar Desert, Rajasthan." *Man and Environment* XV(2):89-108.
23. Morris, B. 1982. *Forest Traders: A Socio-Economic Study of the Hill Pandaram*, London School of Economics Monograph, Social Anthropology 55. London: Athlone Press.
24. Murty, M.L.K 1981. "Hunter-Gatherer Ecosystems and Archaeological Patterns of Subsistence Behaviour on the South-East Coast of India: An Ethnographic Model." *World Archaeology* 12: 47-58.

25. Murty, M.L.K. 1985. "Ethno archaeology of the Kurnool Cave Area." *World Archaeology* 17 (2):192-205.
26. Nagar, M. and V.N. Misra. 1993 "The Pardhis: A Hunting- gathering Community of Central and Western India." *Man and Environment* XVIII (1): 113-144.
27. Nagar, M. 1975. "Role of Ethnographic Evidence in the Reconstruction of Archaeological Data." *Eastern Anthropologist* 28 (1): 13-22.
28. Nagar, M. 1983. "Ethno archaeology of the Bhimbetka Region." *Man and Environment* VII: 61-69.
29. Nagar, M. 1992. "Tribal Societies in India." In, Saryu Doshi (ed.). 1992. *Tribal India: Ancestors, Gods and Spirits*. Bombay: Marg Publications.
30. Parker, B., J.B. Bhattacharya, B.B. Dutta and B. Datta Ray. 1980 *Shifting Cultivation in North East India*. Second Edition. Shillong: North East India Council for Social Science Research.
31. Raju, D.R. 1988. *Stone Age Hunter-Gatherers: An Ethno- Archaeology of Cuddapah Region, South-East India*. Pune: Ravish Publishers. Richard Ford (Ed.). 1994. *The Nature and Status of Ethnobotany*, Museum of Anthropology, University of Michigan, Ann Arbor.
32. Sinopoli, C. M. 1991. "Seeking the Past through the Present: Recent Ethno archaeological Research in South Asia." *Asian Perspectives* 28 (2): 145-161.
39. Smiley F.E. et. al. 1980 *The Archaeological Correlates of the Hunter-Gatherer Societies: Studies from the Ethnographic Record*. Ann Arbor. Michigan University Press.
40. Steensberg Axel. 1986. *Man the Manipulator. An Ethnoarchaeological Basis for Reconstructing the Past*, National Museum, Copenhagen.
41. Sinopoli Carla M, *Seeking the Past through the Present: Recent Ethno archaeological Research in South Asia*, Ghosh Asuras A, *Prehistory Of The Chotanagpur Region Part 4: Ethnoarchaeology, The Rock Art And Iron*

**Paper: 1T5 - Principles of Archaeology**

1. Definition and scope of Archaeology, Relationship of Archaeology with History, Anthropology and the pure sciences.
2. History of world Archaeology up to present, Development of field techniques, Evolution of Archaeological sciences (Geoarchaeology, Archaeozoology, Archaeobotany, Archaeological Chemistry, Archaeometallurgy and Human Osteology)
3. History of Indian Archaeology, the colonial background, new issues and perspectives Since 1947.
4. Archaeology and public education – Threats, Damages, Negligence, Greed for Land and Wanton Destruction, Legislative Basis of Conservation and Protection of Heritage, Return of Cultural Property, Role of Central & State Governments and Universities.

**Books Recommended:**

1. Bell, J. 1994. *Reconstructing Prehistory: Scientific Method in Archaeology*, Philadelphia: Temple University.
2. Binford, L.R. 1983. *In Pursuit of the Past: Decoding the Archaeological Record*. London: Thames and Hudson.
3. Binford, L. R. 1973. *An Archaeological Perspective*, New York: Seminar Press.

4. Binford, L.R. 1983. *Working at Archaeology*, New York, Academic Press.
5. Binford, L.R. 1989. *Debating Archaeology*, New York, Academic Press.
6. Chakrabarti, D.K. 1988. *A History of Indian Archaeology: From the Beginning to 1947*, New Delhi: Munshiram Manoharlal.
7. Childe, V.G. 1956. *Piecing Together the Past: The Interpretation of Archaeological Data*. London: Routledge and Kegan Paul.
8. Clark, J.G.D, 193, *Archaeology and Society*, London: Methuen.
9. Clarke, J.G.D. 1982. *The Identity of Man*. London: Methuen.
10. Clarke, D.L. 1963. "Archaeology: The Loss of Innocence." *Antiquity* 47:6-8.
11. Daniel Glyn, *The Origins and Growth of Archaeology*
12. Daniel, Glyn E. 1975. *150 years of Archaeology*. London: Duckworth.
13. Daniel, Glyn, E. 1981. *A Short History of Archaeology*. London: Thames and Hudson.
14. Dunnell, R.C. 1971. *Systematics in Prehistory*. New York: Free Press.
15. Embree, Lester 1987. "Archaeology: The Most Basic Science of All" *Antiquity* 61:75-78.
16. Fagan, B. 1988. *In the Beginning: An Introduction to Archaeology*. Glenview (Illinois): Scott, Foresman and Company.
17. Hayden, Brian 1993. *Archaeology: The Science of Once and Future Things*. New York: W.H.Freeman and Company.
18. Hodder, I. 1986. *Reading the Past: Current Approaches to Interpretation in Archaeology*, 2nd ed., Cambridge: Cambridge University Press.
19. Hodder, Ian. 1999. *The Archaeological Process: An Introduction*. Oxford: Blackwell Publishers.
20. Hole, F. and R. F. Heizer 1973. *Introduction to Prehistoric Archaeology*. New York: Holt, Reinhart and Winston.
21. Knudson, S.J. 1978. *Culture in Retrospect*. Chicago: Rand McNally.
22. Kuznar, L.A. 1997. *Reclaiming Scientific Anthropology*. Walnut Creek, California: Altamira Press.
23. Paddayya, K. 1979. "Palaeoethnography vis-a-vis the Stone Age Cultures of India: Some Methodological considerations." *Bulletin of the Deccan College Post-Graduate & Research Institute* 38:63-90.
24. Paddayya, K. 1990. *New Archaeology and Aftermath View from Outside the Anglo American World*. Pune Ravish Publishers
25. Renfrew, C. and P. Bahn 1991. *Archaeology: Theories and Methods and Practice*, London: Thames and Hudson.
26. Raman K V, *Principles & Methods of Archaeology*
27. Rajan K, *Understanding Archaeology*
28. Srivastav.K.M, *New Era in Indian Archaeology*
29. Spaulding, A.C. 1960. "The Dimensions of Archaeology" in N. Hammond (ed.) *Readings in Archaeology and Physical Anthropology*.
30. Trigger, Bruce. 1989. *A History of Archaeological Thought*. Cambridge: Cambridge University Press.
31. Wheeler M, 1954, *Archaeology from Earth*, Oxford Clarendon Press, UK
32. पाण्डे, जयनारायण, पुरातत्वविमर्ष, इलाहाबाद Prachya Vidya Sansthan,
33. देव,षां.भा., पुरातत्वविद्या, नागपूर Sahyadri Books
34. ढवळीकर, म. के., पुरातत्वविद्या, मुम्बई महाराष्ट्र राज्य साहित्य संस्कृति मंडल

## **Paper: 1T6 - Archaeology of Vidarbha**

1. Physiographic and Palaeolithic Cultures.
2. Chalcolithic and Megalithic of Vidarbha
3. Historical Archaeology of Vidarbha
4. Important excavated sites: -PapamiaTekri, Tarsa, Takalghat-Khapa, Mahurzari, Dhamna-Linga, Tuljapurgarhi, Kaudinyapur, Paunar, Adam, Naikund, Mandhal, Pauni, Arni, Kholapur, Shrikhanda, Bhon.

### **Books Recommended:**

1. Allchin, F. R. 1963, Neolithic Cattle Keepers of South India, Cambridge University Press
2. Bopardikar. B.P, Excavation at Tuljapurgarhi 1984-85 (Vidarbha, Maharashtra), Archaeological Survey of India 1996
3. Deglurkar, G. B. and Gauri Lad, Raipur-Hingna, Deccan College, Poona
4. Deo, S. B., 1973, Problem of South Indian Megaliths, Karnataka University, Dharwar
5. Deo, S. B. & Dhavalikar, M. K., 1967, Paunar Excavation, Nagpur, Nagpur Vidyapeeth Mudranalay
6. Deo, S. B. & Joshi, J. P., 1972, Pauni Excavation, Nagpur, Nagpur Vidyapeeth Mudranalay
7. Deo, S. B., 1970, Excavation at Takalghat-Khapa, Nagpur, Nagpur Vidyapeeth Mudranalay
8. Deo, S. B., 1973, Excavation at Mahurjhari, Nagpur, Nagpur Vidyapeeth Mudranalay
9. Deo, S. B. & Jamkhedkar, A. P., 1982, Naikund Excavation, Department of Archaeology and Museum, Government of Maharashtra, Mumbai
10. Dhavalikar, M. K., 1997, Indian Protohistory, Books & Books, New Delhi
11. Dhavalikar, M. K., 1999, Historical Archaeology of India, Books & Books, New Delhi
12. Moorti U. S. 1989. Megalithic Culture of South India: Socio-Economic Perspectives (unpublished Ph.D. thesis submitted to the University of Poona). Poona
13. Nath, A., Further Excavations at Pauni , Abebooks, Archaeological Survey of India, New Delhi, India, 1998 New Delhi
14. Nath Amrendra, Excavations at Adam (1998-92): a City of Asika Janapada, Archaeological Survey of India, 2016
15. Sawant Reshma, 2012, Vidarbha Archaeology, Indira Gandhi Rashtriya Manav Sangrahalay, Bhopal
16. Sharma, A.K, Mani, B.R. Mani and G.S. Khwaja (Eds); Jagat Pati Joshi (Advisor) Puramanthana: Current Advances in Indian Archaeology: Number 3: 2005: Pravarpur Special, Dattasons, Nagpur
17. Sharma A K, 2018, Further Excavations at Mansar, B R Publications, New Delhi
18. Trivedi, P.A and Singh H.N, 2019, Mandhal Excavation (1975-77), Dattasons, Nagpur
19. Rao, K P, 1996, Deccan Megaliths, Sandeep Prakashan
20. पांडे, जयनारायण, पुरातत्त्वविमर्ष, इलाहाबाद Prachya Vidya Sansthan
21. सांकलिया व माटे, महाराष्ट्रातीलपुरातत्त्व, पूने Govt of Maharashtra Publication
22. देव, षां. भा., पुरातत्त्वविद्या, नागपूर Sahyadri Books

### **1P1- Practical + Viva Voce: Museum Display\*\***

#### **1TW1- Training/Workshop**

#### **1S1- Seminar/Conference**

\*Students should be asked to submit an Assignment on a topic for each of the four Core papers. The assignment can be a write-up or a presentation for the 20 marks allocated as part of IA.

\*\* 80 = Practical- Museum Display and 20= Viva-Voce

## M. A. (SEMESTER- II)

### Group- A (Archaeology) Detailed Syllabus

#### Paper: 2T1 - Epigraphy and Palaeography

1. Importance of Inscriptions, Origin of writing (Brahmi and Kharoshthi)& Writing Materials, Evolution of Brahmi to Nagari, Dating and Eras: Vikrama, Saka, Gupta, Kalachuri-Chedi
2. Edict of Asoka; Nature, Category, Linguistic, Features, Geographical Distribution.
3. Select Inscription from 3<sup>rd</sup> Century BCE to 3<sup>rd</sup> Century CE- Hathigumpha Inscription of Kharavela; Ara Inscription of Kanishka II; Naneghat Inscription of Naganika, Nasik Inscription of Vasisthiputra Pulumavi, 19<sup>th</sup> year; Nasik Inscription of Ushavadatta; Junagarth Inscription of Rudradaman
4. Select Inscription from 4<sup>th</sup> Century CE to 13<sup>th</sup> Century CE; Mehrauli Iron Pillar Inscription of King Chandra; Allahabad Pillar Inscription of Samudragupta, Mathura Pillar Inscription of Chandragupta, Bhitari Pillar Inscription of Skandagupta II; Poona plates of Prabhavati Gupta; Thalner Plates of Harisena, Aihole Inscription of Pulakeshin II; Sirpur Lakshman Temple Inscription of Vasata, Sanjan Copper Plates of Amoghavarsha, Gwalior Inscription of Mihirabhoja, Purushottam Puri Plates of Ramchandra.

#### Books Recommended:

1. Allchin, F.R. and K.R. Norman. 1985. "Guide to the Ashokan Inscriptions". *South Asian Studies*1:43-50.
2. Bulher, G., 1959, *Indian Palaeography*, Munshiram Manoharlal, New Delhi
3. Dani, A.H., 1963, *Indian Palaeography*. Oxford University Press
4. Hultzsch, D. 1969. (Reprint) *Corpus Inscriptionum Indicarum* Vol. I, Varanasi: Indological Book House
5. Gokhale, S. 1991. *Kanheri Inscriptions*, Pune: Deccan College.
6. Gupta, S.P., and Ramchandran, K.S., 1979, *Origin of Brahmi Script*, D.K.Publications, Delhi
7. Mangalam, S.J. 1990. *Kharoshthi Script*. Delhi: Eastern Book Linkers.
8. Mangalam, S.J. 2002. *Anegondi Inscriptions*. Pune:Deccan College.
9. Pandey, R. 1957. *Indian Palaeography*. Delhi: Motilal Banarsidas.
10. Shastri, Ajay Mitra. 1996-97. "Some Observations on the Origin and Early History of the Vikrama Era". *Prachya Pratibha*, Vol. XVIII, pp.1-51.
11. Shastri, Ajay Mitra. 1966. "The Saka Era". *Panchal*. Vol.9, pp.109-132.
12. Sircar, D.C. 1965. *Indian Epigraphy*. Delhi: Motilal Banarsidas.
13. Sircar, D.C. 1986. (3rd edition) *Select Inscriptions*. Vol.I, Delhi: Asian Humanities Press.
14. *Epigraphia Indica* Vols. I-X.
15. ओझा, जी.एच., 1996 प्राचीन भारतीय लिपीमाला, दिल्ली
16. गोखले, षोभना, पुराभिलेख विद्या, नागपूर Sahyadri Books

## **Paper: 2T2 - Indian Architecture**

1. Harappan town planning and architecture, Stupa Architecture: Symbolism, Origin and Evolution
2. Rock cut Architecture (Eastern, Western and Southern India) – Chaityas, Viharas, Rock Cut Temple Architecture. (Kailasha temple of Ellora, Rathas of Mahabalipuram)
3. Evolution of Temple Architecture – Gupta-Vakataka Period, Development of Temple Architecture in Northern India up to 13<sup>th</sup> Century CE- Northern, Central, Eastern and Western India.
4. Evolution and Development of Temple Architecture in South India- Up to 13<sup>th</sup> Century CE (Pallava, Chalukya, Chola, Hoysala)

### **Books Recommended:**

1. Berkson, Carmel 1982. An Approach Towards Examining Style in the Cave Temple, in Rupa Pratirupa (Alice Boner Commemoration Volume) [Bettina Baumer ed], pp. 57-86, New Delhi, Biblia Implex.
2. Brown, Percy 1960. Indian Architecture (Buddhist and Hindu). Bombay: D. B. Taraporewala and Sons.
3. Burges and Fergusson, 1880, Cave Temple of Western India, London
4. Dehejia, Vidya 1972. Early Buddhist Rock Temples: A Chronological Study. London: Thames and Hudson.
5. Dehejia, Vidya 1979. Early Stone Temples of Orissa. Delhi: Vikas Publishing House.
6. Deva, Krishna, 1995, Temples of India, Aryan Book International
7. Dhakey M.A Encyclopaedia of Indian Temple Architecture. (Volume 2, part 1) Varanasi/Gurgaon: American Institute of Indian Studies.
8. Kramrisch, Stella 1986. The Hindu Temple. (2 volumes). Reprint. Delhi: Motilal Banarasidas.
9. Nagaraju, S. 1981. Buddhist Architecture of Western India. Delhi: Agam Kala Prakashan.
10. Parimoo, Ratan et al. (ed.) 1991. The Art of Ajanta: New Perspective. New Delhi: Books and Books. (Two volumes)
11. Sarkar, H. 1966. Studies in Early Buddhist Architecture of India. New Delhi: Munshiram Manoharlal
12. Shrinivasan, K.R., 1971, Temples of South India, National Book Trust of India, New Delhi
13. Soundrajan, K.V., Indian Temples Styles.
14. Spink, Walter 1967. Ajanta to Ellora, Marg 20:8-67.
15. Zimmer, H. 1964. The Art of Indian Asia. (2 vols.). New York: Bollingen Foundations Inc.
16. बाजपेयी, के. डी., भारतीय वास्तुकला का इतिहास, Uttar Pradesh Hindi Sansthan, Lucknow
17. शास्त्री, अ. म., अजन्ता, दिल्ली
18. माटे, एम. एस., 1974ए प्राचीन भारतीय कला, नागपूर Maharashtra Vidyapeeth Granth Nirmiti

## **Paper: 2T3 - Proto-History of India**

1. Neolithic Cultures – North-west India from Baluchistan to Kashmir, Uttar Pradesh and Bihar, North-eastern states and Orissa, Southern States – Ash mounds
2. Rural Chalcolithic Cultures: Savalda, Kayatha, Ahar, Malwa, Jorwe, Eastern India, Deccan.
3. Iron Age Cultures – Early Iron Age settlements in North and North-west India, Megalithic Culture: Vindhya, Vidarbha and South India, Painted Grey Ware and Northern Black Polished Ware Cultures; Extent and Chronology.
4. Important excavated sites: Bhimbetka, Bhirrana, Lothal, Dholavira, Daimabad, Ahichhatra, Hunsgi, Kalibangan, Inamgaon, Atranjikhhera, Kausambi, Nagarjunakonda, Adam, Naikund, Brahmagiri, Pauni, Arikamedu.

### **Books Recommended:**

1. Allchin, F. R. 1963, Neolithic Cattle Keepers of South India, Cambridge University Press
2. Deo, S. B., 1973, Problem of South Indian Megaliths, Karnataka University, Dharwar
3. Dhavalikar, M. K., 1997, Indian Protohistory, Books & Books, New Delhi
4. Dhavalikar, M. K., 1999, Historical Archaeology of India, Books & Books, New Delhi
5. Kenoyer, J. M., 1998 Ancient Cities of the Indus Valley Civilization, Oxford University Press;
6. Moorti U. S. 1989. Megalithic Culture of South India: Socio-Economic Perspectives (unpublished Ph.D. thesis submitted to the University of Poona). Poona
7. Tripathi, V. C., 1976, The Painted Grey Ware: An Iron Age Culture of Northern India, Concept Pub. Co;
8. Agrawal, D.P. 1982. Archaeology of India. Copenhagen: Scandinavian Institute of Asian Studies.
9. Agrawal, D.P. and D.K. Chakrabarti (eds.). 1979. Essays in Indian Protohistory, B R Publishing Corporation, Delhi
10. Allchin, F.R. and B. Allchin 1993, The Birth of Civilization in India revised ed. Penguin Books, New Delhi
11. Deo, S.B. 1985. The Megaliths: Their culture, ecology, economy and technology, in Recent Advances in Indian Archaeology (S.B. Deo and K. Paddayya eds), Deccan College, Pune.
12. Dhavalikar, M.K. 1990. First Farmers of the Deccan, Pune: Ravish Publishers.
13. Ghosh, A. 1990. Encyclopaedia of Indian Archaeology (two volumes).
14. Lal, B.B. 2000. The Saraswati Flows on. New Delhi: Aryan Books.
15. Lal, Makhana. 1984. Settlement History and the Rise of Civilization in the Ganga-Yamuna Doab, B R Publishing Corporation, New Delhi
16. Mohanty, R.K. and V. Selvakumar, 2002. The Archaeology of Megaliths in India: 1947-1997, in Indian Archaeology in Retrospect (S. Settar and R. Korisettar Eds.),
17. Moorti, U.S. 1994. Megalithic Cultures of South India: Socio- Economic Perspectives, Varanasi: Ganga-Kaveri Publishing house, Varanasi
18. Paddayya, K. (ed.). 2002. Recent Studies in Indian Archaeology, Indian Council of Historical Research. Monograph Series 6.) x, 454 pp. New Delhi: Munshiram Manoharlal and Indian Council of Historical Research,
19. Possehl, G.L. 1979 (ed.), 1979, Ancient Cities of the Indus
20. Sankalia, H.D. 1974. Pre and Protohistory of India and Pakistan. Pune: Deccan College.

21. Sankalia, H.D. 1977, Prehistory of India. New Delhi, Munshiram Manoharlal
22. Shinde, Vasant. 1989. New Light on the Origin, Settlement System and Decline of the Jorwe Culture of the Deccan, India South Asian Studies 5:60-72
23. Tripathy, Vibha. 2001. Age of Iron in South Asia: Legacy and Tradition,
24. Wheeler, R.E.M. 1968. Indus Civilization. (Third Edition), Cambridge University Press
25. पांडे, जयनारायण, पुरातत्वविमर्ष Prachya Vidya Sansthan
26. व्हीलर, मॉर्टीमर, पृथ्वी से पुरातत्व
27. देव, षां.भा., 1979 पुरातत्वविद्या Sahyadri Books

#### **Paper: 2T4 - Science and Archaeology**

1. Geoarchaeology; Site Formation Processes. Site Catchment Analysis, Environmental Analysis; Pre-historic Flora and Fauna, Palaeo-Climates.
2. Anthropology- Social and Physical, Human Osteology and Palaeopathology
3. Archaeozoology, Archaeobotany, Archaeological Chemistry and Archaeometallurgy; Methods of Sample collection and scientific analysis.
4. Quantitative Methods and Information Science; GIS, GPRS, Remote sensing, Application of Information Technology in Archaeology.

#### **Books Recommended:**

1. Badam, G.L. 1979. Pleistocene Fauna of India, Pune: Deccan College.
2. Baker, J. and D. Brothwell. 1980. Animal Diseases and Archaeology, Academic Press: London
3. Bass, W.M. 1981. Human Osteology: A laboratory and field manual of the Human skeleton, 2<sup>nd</sup> edition, Columbia: Missouri Archaeological Society.
4. Bone, J.F. 1979. Animal Anatomy and Physiology, Reston: Reston Publishing Co.
5. Black, C.A., Evans, D.D., White, J.L., Ensminger, L.E. and F.E. Clark (Eds.). 1965, Methods of Soil Analysis, part I Physical and Mineralogical properties and part II Chemical and Microbiological properties, American Society of Agronomy, Inc. Madison, Wisconsin, USA
6. Brothwell, D. and E. Higgs (Eds.). 1969. Science in Archaeology, London, Thames and Hudson.
7. Brothwell, D. and A.M. Pollard. 2001. Handbook of Archaeological Sciences, New York: John Wiley and Sons.
8. Cornwall, I.W. 1974. Bones for Archaeologists, (revised edition), London: L.M. Dent and Sons.
9. Deo, S.G. and P.P. Joglekar. 1998. Geographic Information System (GIS) for Archaeology, Puratattava, 27:85-90.
10. Deo, S.G. 2000-01. Computer Applications in Archaeology: A review of work done at Deccan College, Bulletin of Deccan College Postgraduate and Research Institute, Vol. 60-61: 137-142.
11. Deotare, B.C. 1995. Pollen recovery from minerogenic sediments: A methodological approach, Man and Environment, XX(2):101-105.
12. Erdtman, G. 1969. Hand book of Palynology, New York: Hafner.
13. Gary Lock and Zoran Stancic (eds). 1995. Archaeology and Geographical Information Systems, London: Taylor and Francis.
14. Gary Lock and J. Moffett (Eds.), 1992, Computer Application and Quantitative Methods in Archaeology 1991. London: BAR International Series.



15. Greig, James. 1989. Handbook for Archaeologists No.4: Archaeobotany, European Science Foundation, Strasbourg.
16. Joshi, R.V. and B.C. Deotare. 1983. Chemical Analysis of Archaeological Deposits from India Pune: Deccan College.
17. Kajale, M.D. 1991. Current status of Indian Palaeoethnobotany: Introduced and indigenous food plants with a discussion of the historical development of Indian Agriculture and agricultural system in general, in New Light on Early Farming, Jane Renfrew (Ed.), Edinburgh: Edinburg University press, pp.155-190.
18. Leiggi, Patrick and Peter May (Eds.). 1994. Vertebrate Palaeontological Techniques, Vol.1, Cambridge University Press.
19. Moore, P.D., Webb, J. A. and M.E. Collinson. 1992. Pollen Analysis, Oxford: Blackwell.
20. Pearsall, D. 1989. Palaeoethnobotany- Handbook of Procedures. London: Academic press.
21. Plenderlith, H.J. 1965. The Conservations of Antiquities and Works of Art, London: Oxford University Press.
22. Renfrew, J. 1973. Palaeoethnobotany, London: Mathuen and Co.
23. Reilly, P. and S. Rathz (Eds.). 1992. Archaeology and the Information Age. London: Routledge
24. Romer, A.S. 1967. Vertebrate Paleontology, Chicago: University of Chicago press.
25. Schmid, E. 1972. Atlas of Animal Bones. London: Elsevier publishing Co.
26. Singh, R. and L.R. Kajia. 1979. Map Work and Practical Geography, Allahabad: Central Book Depot.
27. Traverse, A. 1988. Palaeopalynology Boston: Unwin Hyman.
28. Zittel, Von K.A. 1925. Text Book of Palaeontology, Macmillan and Co. 3 vols.
29. पाण्डे, जयनारायण, पुरातत्त्वविमर्ष, इलाहाबाद Prachya Vidya Sansthan
30. देव,षां.भा., 1979 पुरातत्त्वविद्या, नागपूर Sahyadri Books,
31. ढवळीकर, म. के., 1980 पुरातत्त्वविद्या, मुम्बई Maharashtra Rajya Sahitya Sanskriti Mandal
32. व्हीलर, मॉर्टीमर, पृथ्वी से पुरातत्त्व

**Paper: 2T5 - Methods of Archaeology**

1. Discovering archaeological sites and features, ground reconnaissance, aerial Reconnaissance including satellite imagery. Aims and methods of exploration, Excavations, purposes and methods, under water archaeology with special reference To development in India.
2. Recording the context of excavated remains, preparation of section and plans, three dimensional recording. Retrieval of botanical and eco-factual data, plant, human bones and animal remains, soil and pollen analysis.
3. Stratigraphy, causes of formation of layers, their nature and order, Determining The chronology and periods of excavated remains. Pottery Analysis. Methods of absolute and relative dating.
4. Principles of conservation of cultural property, Chemical and Architectural conservation. Principles and techniques of transplantation of monuments. Museums and the storage and display of antiquities.

## Books Recommended:

1. Bell, J. 1994. *Reconstructing Prehistory: Scientific Method in Archaeology*, Philadelphia: Temple University.
2. Binford, L. R. 1973. *An Archaeological Perspective*. New York: Seminar Press.
3. Binford, L.R. 1983. In *Pursuit of the Past: Decoding the Archaeological Record*. London: Thames and Hudson.
4. Binford, L.R. 1983. *Working at Archaeology*. New York: Academic Press.
5. Binford, L.R. 1989. *Debating Archaeology*. New York: Academic Press.
6. Chakrabarti, D.K. 1988. *A History of Indian Archaeology: From the Beginning to 1947*. New Delhi: Munshiram Manoharlal.
7. Childe, V.G. 1956. *Piecing Together the Past: The Interpretation of Archaeological Data*. London: Routledge and Kegan Paul.
8. Clark, J.G.D. 1939. *Archaeology and Society*. London: Methuen.
9. Clarke, D.L. 1963. "Archaeology: The Loss of Innocence." *Antiquity* 47:6-8.
10. Clarke, J.G.D. 1982. *The Identity of Man*. London: Methuen.
11. Daniel Glyn, 1967, *The Origins and Growth of Archaeology*, Penguin Books
12. Daniel, Glyn E. 1975. *150 years of Archaeology*. London: Duckworth.
13. Daniel, Glyn, E. 1981. *A Short History of Archaeology*. London: Thames and Hudson.
14. Dunnell, R.C. 1971. *Systematics in Prehistory*. New York: Free Press.
15. Embree, Lester 1987. "Archaeology: The Most Basic Science of All" *Antiquity* 61:75-78.
16. Fagan, B. 1988. *In the Beginning: An Introduction to Archaeology*. Glenview (Illinois): Scott Foresman and Company.
17. Hayden, Brian 1993. *Archaeology: The Science of Once and Future Things*. New York: W.H. Freeman and Company.
18. Hodder, I. 1986. *Reading the Past: Current Approaches to Interpretation in Archaeology*. 2nd ed. Cambridge: Cambridge University Press.
19. Hodder, Ian. 1999. *The Archaeological Process: An Introduction*. Oxford: Blackwell Publishers.
20. Hole, F. and R. F. Heizer 1973. *Introduction to Prehistoric Archaeology*. New York: Holt, Reinhart and Winston.
21. Knudson, S.J. 1978. *Culture in Retrospect*. Chicago: Rand McNally.
22. Kuznar, L.A. 1997. *Reclaiming Scientific Anthropology*. Walnut Creek, California: Altamira Press.
23. Mishra, F., *Researches in Archaeology and Conservation*
24. Paddayya, K. 1979. "Palaeoethnography vis-a-vis the Stone Age Cultures of India: Some Methodological considerations." *Bulletin of the Deccan College Post-Graduate & Research Institute* 38:63-90.
25. Paddyya, K., *New Archaeology and its Aftermath*, Pune Ravish Publishers
26. Rao, S.R., *Marine Archaeology of Indian Ocean Countries*, Proceedings of the First Indian Conference on Marine Archaeology of Indian Ocean Countries – Oct 1987, National Institute of Oceanography, Dona Paula, Goa 403 004
27. Renfrew, C. and P. Bahn 1991. *Archaeology: Theories and Methods and Practice*. London: Thames and Hudson.
28. Sinha, B.P., *Potteries in Ancient India*, Dept of AIHC&A, Patna University, Patna

29. Spaulding, A.C. 1960. "The Dimensions of Archaeology" in N. Hammond (ed.) Readings in Archaeology and Physical Anthropology.
30. Trigger, Bruce. 1989. A History of Archaeological Thought. Cambridge: Cambridge University Press.
31. Wheeler, R.E.M., Archaeology from the Earth, Oxford Clarendon Press
32. पाण्डे, जयनारायण, पुरातत्त्वविमर्ष, इलाहाबाद Prachya Vidya Sansthan
33. देव, षां.भा., 1979 पुरातत्त्वविद्या, नागपूर Sahyadri Books
34. ढवळीकर, म. के., 1980 पुरातत्त्वविद्या, मुम्बई Maharashtra Rajya Sahitya Sanskriti Mandal
35. व्हीलर, मॉर्टीमर, पृथ्वी से पुरातत्त्व, नईदिल्ली

### **Paper: 2T6 - Post Excavation Analysis and Report Writing**

1. Classification of objects / findings, reconstruction of socio-economic aspects, including Contextual and site catchment analysis.
2. Recording methods (a) Drawing-pottery, site and antiquity, plan, elevation, section (b) Photography-indoor, elementary photochemistry (c) Surveying; instruments and their use, preparation of maps, cartography
3. Scientific analysis of excavated remains, establishment of site laboratory
4. Report writing: Preparation of text, drawings, photographs, Proof reading.

### **Books Recommended:**

1. Aitken, M.J. 1990. *Science-based Dating in Archaeology*. London: Longmans.
2. Atkinson, R.J.C. 1953. *Field Archaeology*. London: Methuen and Co.
3. Barker, P. 1982. *Techniques of Archaeological Excavation*. London: Batsford.
4. Binford, L.R. 1964. A Consideration of Hypothetical Research Design, *American Antiquity* 29:425-441.
5. Crawford, O.G.S. 1953. *Archaeology in the Field*. London: Phoenix.
6. Dancey, W.S. 1985. *Archaeological Field Methods: An Introduction*. New Delhi: Surjeet Publications.
7. Harris, E.C. 1979. *Principles of Archaeological Stratigraphy*. London: Academic Press.
8. Hester, T., Heizer, R.E. and J.A. Graham. 1975. *Field Methods in Archaeology*. Palo Alto (California): Mayfield Press.
9. Redman, C. 1974. Multi-Stage Fieldwork and Analytical Techniques, *American Antiquity* 38:611-79.
10. Tite, M.S. 1972. *Methods of Physical Examination in Archaeology*. London: Seminar.
11. Wheeler, R.E.M. 1954. *Archaeology from the Earth*. Harmondsworth: Penguin Books.
12. पाण्डे, जयनारायण, पुरातत्त्वविमर्ष, इलाहाबाद Prachya Vidya Sansthan
13. देव, षां.भा., पुरातत्त्वविद्या, नागपूर Sahyadri Books
14. ढवळीकर, म. के., पुरातत्त्वविद्या, मुम्बई Maharashtra Rajya Sahitya Sanskriti Mandal
15. व्हीलर, मॉर्टीमर, पृथ्वी से पुरातत्त्व

**2P1- Practical / Field work \*\*****2TW1- Training/Workshop****2S1- Seminar/Conference**

\*Students should be asked to submit an Assignment on a topic for each of the four theory papers. The assignment can be a write-up or a presentation for the 20 marks allocated as part of IA.

\*\* 80 = Practical- Surveying, Drawing, Modelling, Photography and 20= Viva-Voce

**M. A. (SEMESTER- III)****Group- A (Archaeology) Detailed Syllabus****Paper: 3T1 - Indian Numismatics**

1. Scope, Importance, Origin and Antiquity of Coinage, Seals and Sealings, Intaglio and Amulets.
2. Punch Marked Coins, Uninscribed cast copper coins, Coinage of Yavanas, Sakas, Pahlavas and Sassanians; Janapada Coins, Local and City state Issues
3. Kushana Coinage, Pre-Satavahana, Satavahana and Western Kshatrapa Coins; Gupta Coins, Bhadra & Mitra Coins., Tribal coins (Yaudheya, Kuninda, Audumbara)
4. Coins of Ikshvaku, Vishnukundin, Kalachuri, Pushyabhuti, Eastern Chalukya, Chandela, Paramara, Shahi and Yadava

**Books Recommended:**

1. Allan, J. 1935. Catalogue of Coins of Ancient India. London: British Museum.
2. Altekar, A.S. 1957. Coinage of the Gupta Empire. Varanasi: Numismatic Society of India.
3. Bhandarkar, D.R. 1921. Carmichael Lectures on Ancient India Numismatics. Calcutta, Calcutta University.
4. Bharadwaj, H.C. 1979. Aspects of Ancient Indian Technology. Delhi: Motilal Banarsidas.
5. Chakrabarti, S.K., 1973 A Study of Ancient Indian Numismatics, Numismatic Society of India
6. Chattopadhyaya, Bhaskar. 1967. The Age of the Kushanas - A Numismatic Study. Calcutta: Punthi Pustak.
7. Chattopadhyaya, Brajadulal. 1977. Coins and Currency System in South India. Delhi: Munshiram Manoharlal.
8. Dasgupta, K.K. 1974. A Tribal History of Ancient India - A Numismatic Approach. Calcutta: Nababharat Publications.
9. Dhavalikar, M.K. 1975. PrachinBharatiyaNanakshastra. Pune: Maharashtra Vidyapeeth Granthanirmiti Mandal (Text Book in Marathi)
10. Elliot, W. 1970. (Reprint) Coins of South India. Varanasi: Indological Book House.
11. Gardener, P. 1886. The Coinage of the Greek and Scythic Kings of Bactria and India in British Museum. London: British Museum.
12. Gokhale, Shobhana 1981. New Discoveries in the Satavahana Coinage, Journal of the Numismatic Society of India Volume XLIII, pp 54-59.
13. Goyal, S.R. 1995. Dynastic Coins of Ancient India. Jodhapur: Kusumanjali Book World.
14. Gupta, P.L. 1979. (2nd Revised Edition) Coins. New Delhi: National Book Trust.
15. Gupta, P.L. 1981. Coins: Source of Indian History. Ahmedabad: B.J. Institute of Learning and Research.
16. Gupta, P.L. and Sarojini Kulashreshtha 1993. Kushana Coins and History. New Delhi: D.K. Publishers.

17. Gupta, P.L. and T.R. Hardarkar. 1985. Ancient Indian Silver Punch- Marked Coins of the Magadha - Maurya Karshapana Series. Nasik: Indian Institute of Research in Numismatics Studies.
18. 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.
19. Jha, Amiteshwar and Dilip Rajgor 1994.Studies in the Coinage of Western Kshatrapas. Anjaneri (Nasik): Indian Institute of Research in Numismatic Studies.
20. Krishnamurti, R. 1997 Sangam Age Tamil Coins. Madras: Garnet Publishers.
21. Lahiri, A.N. 1965 Corpus of Indo-Greek Coins. Calcutta: Publication.
22. Mala Datta. 1990. A Study of the Satavahana Coinage. Delhi: Harman Publishing House.
23. Mangalam, S.J. 2001. Shankar Tiwari Collection of Early Coins from Narmada Valley. Bhopal: Directorate of Archaeology and Museums, Government of Madhya Pradesh.
24. Numismatic Digest: A Journal published by Indian Institute of Research in Numismatic Studies. Anjaneri (Nasik)
25. Rajor, Dilip 2001. Punch-marked Coins of Early Historical India. California. Resha Books International.
26. Rapson. E.J. 1908. Catalogue of Coins of Andhra Dynasty, Western Kshatrapas etc. London: British Museum.
27. Ray, S.C. 1977. The Stratigraphic Evidence of Coins in Indian Excavations and some Allied Issues. Varanasi: Numis. Soc. of India.
28. Sahni, Birbal 1973. The Technoque of Casting Coins in Ancient India. Varanasi: Bharatiya Publishing House.
29. Sarma, I.K. 1980. Coinage of the Satavahana Empire. Delhi: Agam Kala Prakasan.
30. Shastri, A.M. (Ed.) 1999. Age of Satavahanas (two volumes).New Delhi: Aryan Prakashan.
31. Smith, V. A., Cataogue of Coins in the British Museum: Coins of the Andhras, Western Kshatrapas.
32. Srivastava, A.K. 1969. Catalogue of Indo-Greek Coins in the State Museum, Lucknow: State Museum.
33. Srivastava, A.K. 1972. Catalogue of Saka Pahlava Coins of Northern India in the State Museum, Lucknow. Lucknow: State Museum.
34. Studies in South Indian Coins: A Journal published by South Indian Numismatic Society, Madras (Annual)
35. Whitehead, R.B. 1910. Catalogue of Coins in the Punjab Museum, Lahore, Vol. I: Indo-Greek Coins. Oxford: Clarendon Press. Bharati Bhandar, Prayag
36. उपाध्याय, वासूदेव, प्राचीन भारतीय सिक्के Bharati Bhandar, Prayag
37. ढवळीकर, म. के., प्राचीन भारतीय नाणकषास्त्र, नागपूर Continental Prakashan

### **Paper: 3T2 - Research Methodology**

1. Definition, nature and scope of Research
2. Research process, Tools and Techniques, Data Collection, Research Analysis, Hypothesis and Concepts of Research, Problems of objectivity in Research.
3. Themes in Indian History – Social, Economic, Religious, Science and Technology.
4. Application of the Scientific Methods in Archaeology; Different Models used for Explanation / Interpretation.

## Books Recommended:

1. Bernard Knapp, B. (Ed.). 1992. *Archaeology, Annales and Ethnohistory*. Cambridge University Press.
2. Binford, L.R. 1983. *Working at Archaeology*. New York: Academic Press.
3. Binford, L.R. 1989. *Debating Archaeology*. New York: Academic Press.
4. Chitnis, K. N., 2006, *Research Methodology in History*, Atlantic Publishers & Distributors Pvt Ltd, New Delhi
5. Cohen, M.R. and E. Nagel. 1976. *An Introduction to Logic and Scientific Method*. Bombay: Allied Publishers.
6. Gellner, E. 1985. *Relativism and Social Sciences*. Cambridge: Cambridge University Press.
7. Goode, W.J. and P.K. Hatt. 1952. *Methods in Social Research*. Tokyo: McGraw-Hill Student Edition.
8. Gopal, M. H., 1964, *An Introduction to Research Procedures in Social Sciences*, Asia Publishing House
9. Kelley, J.H. and M.P. Hanen 1990. *Archaeology and the Methodology of Science*. Albuquerque: University of New Mexico Press.
10. Kothari C.R. 2004, *Research Methodology - Methods & Techniques*, New Age International (P) Limited, Publishers, New Delhi
11. Hodder, Ian. 1992. *Theory and Practice in Archaeology*. London: Routledge.
12. Hodder, Ian. (ed) 1982. *Symbolic and Structural Archaeology*. Cambridge: Cambridge University Press.
13. Hodder, I. 1995. *Interpreting Archaeology: Finding Meaning in the Past*. New York: Routledge.
14. Johnson, M. 1999. *Archaeological Theory: An Introduction*. Malden (Ma): Blackwell Publishers.
15. Paddayya, K. 1978. "New Research Designs and Field Techniques in the Palaeolithic Archaeology of India". *World Archaeology*. 10:94-110.
16. Paddayya, K. 1981. Piaget, Scientific Method and Archaeology. *Bulletin of the Deccan College Research Institute* 40: 235-264.
17. Paddayya, K. 1989. The Role of Hypothesis and Traditional Archaeology. *Bulletin of the Deccan College Research Institute* 47-48: 239-247.
18. Paddayya, K. 1990. *New Archaeology and Aftermath: View from Outside the Anglo-American World*. Pune: Ravish Publishers
19. Paddayya, K. 1995. Theoretical Perspectives in Indian Archaeology: An Historical Review, in P.J.Ucko (ed.) *Theory in Archaeology: A World Perspective*, pp.110-149. London: Routledge.
20. Paddayya, K. 2002. A Review of Theoretical Perspectives in Indian Archaeology, in S. Settar and R.Korisettar (ed.) *Indian Archaeology in Retrospect*, Vol. IV, pp.117-157. New Delhi: ICHR and Manohar.
21. Pathak, V. S., 1964 *Ancient Historians of India*, Asia Publishing House, Mumbai
22. Pinsky, V. and A. Wylie (ed). 1989. *Critical Traditions in Contemporary Archaeology*. Cambridge: Cambridge University Press.
23. Preucel, R. (ed). 1991. *Processual and Postprocessual Archaeologies: Multiple Ways of Knowing the Past*. Carbondale (Illinois): Southern Illinois University Press.
24. Preycel. R.W. and I. Hodder (eds.). 1996. *Contemporary Archaeology in Theory: A Reader*. Blackwell Publishers.

25. Rosenau, P.M. 1992. Post-modernism and the Social Sciences. Princeton: Princeton University Press.
26. Salmon, W.C. 1984. Scientific Explanation and Causal Structures of the World. Princeton: Princeton University Press.
27. Sankalia, H.D. 1969. "Problems in Indian Archaeology and Methods and Techniques Adopted to Tackle Them". World Archaeology 1: 29-40.
28. Schiffer, M.B. 1976. Behavioral Archaeology. New York: Academic Press.
29. Schiffer, M.B. 1987. Formation Processes of the Archaeological Record. Albuquerque: University of New Mexico Press.
30. Schiffer, M.B. 1995. Behavioral Archaeology: First Principles. Salt Lake City: University of Utah Press.
31. Shanks, M. and C. Tilley. 1987. Sociol Theory as Archaeology. Cambridge: Polity Press.
32. Stoianovich, T. 1976. French Historical Method: The Annales Paradigm. Ithaca: Cornell Press
33. VanPool, C.S. and Todd L. Van Pool. 1999. The Scientific Nature of Postprocessualism. American Antiquity. Vol.64: 33-53.
34. Whitney, F. L., 1948, The Elements of Research, Prentice-Hall
35. Yoffee, N. and A. Sherratt (ed.) 1993. Archaeological Theory: Who sets the agenda? Cambridge University Press.
36. खरे, ग. ह., संशोधकाचामित्र Bharat Itihas Sanshodhak Mandal
37. भांडारकर, पु. ल., 1976 सामाजिकसंशोधनपध्दती M. H. Vidhyapith Garthnirmiti, Nagpur,

### **Paper: 3T3- Historical Archaeology**

1. Definition. Scope and Development of Historical archaeology in India, Use of Archaeological Record for studying historical period in India, Regional cultural sequence of the historical period in India
2. Historical Archaeology from 6<sup>th</sup> Century BCE to 4<sup>th</sup> century CE.
3. Archaeology of Gupta and post-Gupta period upto 13<sup>th</sup> century CE.
4. Important excavated sites: Taxila, Ahichchhatra, Hastinapur, Kausambi, Sishupalgarh, Purana Qila, Chandraketugarh, Hampi, Bhokhardan, Sannati, Nagarjunakonda, Fatehpur Sikri, Arikamedu, Adam, Rajghat, Mathura, Sonkh, Kumrahar, Sravasti, Brahmagiri, Banavasi, Champaner, Rangmahal, Lalkot, Nalanda, Bhangarh, Ambari, Thanesar.

### **Books Recommended:**

1. Allchin, R. 1995. The Archaeology of Early Historic South Asia - The Emergence of Cities and States.
2. Dhavalikar, M.K. 1999. Historical Archaeology of India.
3. Ghosh, A. 1973. City in Early Historical India. Simla: Indian Institute for Advanced Studies.
4. Lahiri, Nayanjot and others. 2002. Historical archaeology of India: an outline of the work of the Archaeological Survey of India, in S. Settar and R. Korisettar (ed.) Indian Archaeology in Retrospect: Archaeology and Historiography, pp.71-115. New Delhi: ICHR and Manohar.
5. Lal, Makkhan 1984. Settlement History and the Rise of Civilization in the Ganga-Yamuna Doab.

6. Ray, Amita and S. Mukherjee (ed.) 1990. *Historical Archaeology of India* Books & Books, New Delhi
7. Roy, T.N. 1983. *The Ganges Civilization: a Critical Study of the PGW and NBPW Periods of the Ganga Plains of India*. New Delhi: Ramanand Vidya Bhavan.
8. Schuyler, R.L. 1978 *Historical Archaeology: A Guide to Substantive and Theoretical Contributions*.
9. Sharma, R.S. 1987 *Urban Decay in India 300 to 1000 A.D*, Munshiram Manoharlal Publishers, New Delhi
10. Sharma, R.S. 1985 *Material Culture and Social Formations in Ancient India*, Macmillan India, New Delhi
11. Sharma, Y.D. 1953 "Exploration of Historical Sites." *Ancient India* 9:116-169.

**Paper: 3T4 - Harappan Culture**

1. Pre Harappan and Early Harappan Cultures of India; Important Sites and their significance.
2. Mature Harappan cultures of India; Important Sites and Their significance
3. Late Harappan cultures of India; Important Sites and their Significance.
4. Decline of Harappan Culture; Other Contemporary Proto-Historic Cultures.

**Books Recommended:**

1. Asthana, Shashi 1985. *Pre-Harappan Cultures of India and Borderlands*. New Delhi: Books and Books
2. Chakrabarti, D.K. 1990. *The External Trade of the Indus Civilization*. New Delhi: Munshiram Manoharlal.
3. Dales, G.F. and J.M. Kenoyer. 1986. *Excavations at Mohenjo Daro: The Pottery*. Philadelphia: The University of Pennsylvania.
4. Fairservis, Walter, A. 1967. "The Origin, Character and Decline of an Early Civilization." *American Museum Novitates* 2: 302:1-48.
5. Fairservis, Walter, A. 1992. *The Harappan Civilization and its Writing*. New Delhi: Oxford and IBH Publishing Co.
6. Jarrige, J.F. and R.H. Meadow 1980. "The Antecedents of Civilizations in the Indus Valley". *Scientific American* 243(2): 122-133.
7. Kenoyer, J.M. 1991. "The Indus Valley Traditions of Pakistan and Western India." *Journal of World Prehistory* 5(4):331-385.
8. Kenoyer, J.M. 1992. "Harappan Craft Specialization and the Question of Urban Segregation and Stratification. In V.N. Misra (ed.) *The Eastern Anthropologist*. 45 (1-2):39-54. (The Indus Civilization Special Number).
9. Kenoyer, J.M. 1998. *Ancient Cities of the Indus Valley Civilization*, Karachi: Oxford University Press.
10. Lal, B.B. and S.P. Gupta (eds.) 1984. *Frontiers of the Indus Civilization*. New Delhi: Books and Books.
11. Lal, B.B. 1999. *The Saraswati flows on*. Aryan Books: New Delhi.
12. Mughal, M.R. 1990. Further Evidence of the Early Harappan Culture in the Greater Indus Valley. *South Asian Studies* 6:175-200.
13. Possehl, G.L. (ed.) 1979. *Ancient Cities of the Indus*. New Delhi: Vikas Publishing House.



14. Possehl, G.L. 1980 Indus Civilization in Saurashtra. Delhi: B.R. Publishing House.
15. Possehl, G.L. (ed.) 1993 Harappan Civilization- A Recent Perspective. New Delhi: Oxford and IBH Publishing Co.
16. Possehl, G.L. 1999. Indus Age- The Beginnings, New Delhi: Oxford and IBH.
17. Rao, S.R. 1963. "Excavations at Rangpur and Other Explorations in Gujarat." *Ancient India* 18-19:5-207.
18. Rao, S.R. 1973. Lothal and the Indus Civilization. Bombay: Asia Publishing House.
19. Ratnagar, S. 1981. Encounters. The Westerly Trade of the Harappan Civilization. Delhi: Oxford University Press.
20. Ratnagar, S. 1991. Enquiries into the Political Organization of Harappan Society. Pune: Ravish Publishers.
21. Wheeler, R.E.M. 1968. The Indus Civilization. Third Edition. Cambridge: Cambridge University Press.

### **Paper: 3T5 - Prehistoric World**

1. Prehistoric Africa: Emergence of Mankind in Africa; Lower, Middle and Upper Palaeolithic (Early Stone Age, Middle Stone Age, & Lower Stone Age) cultures in Africa, Mesolithic Cultures of Africa, African Rock Art
2. Prehistoric Europe - Glacial Periods; Prehistoric flora and fauna; Lower, Middle and Upper Palaeolithic cultures of Europe; Mesolithic cultures of Europe; Prehistoric Art.
3. Prehistory of West Asia - Prehistoric Environment; Levantine Corridor; Early, Middle and Upper Palaeolithic culture of West Asia; Mesolithic cultures of West Asia.
4. Prehistoric China- Problems and prospects in Chinese prehistory; Hominid fossils from China; Lower, Middle and Upper Palaeolithic Culture of China; Mesolithic Cultures of China.

### **Books Recommended:**

1. Alimen, H. 1957. *The Prehistory of Africa*, Hutchinson, London
2. Bordes, Francois. 1968. *The Old Stone Age*, McGraw-Hill, London
3. Braidwood, Robert, J. 1948. *Prehistoric Men*, Chicago National History Museum Press
4. Burkit, M. C. 1963, 1985 (reprinted). *The Old Stone Age*, NYU Press, London
5. Childe, Gordon V. 1929. *The Danube in Prehistory*, Oxford University Press, London
6. ---. 1944. 'Archaeological Ages as Technical Stages' *Journal of the Anthropological Institute*, Vol. 74, pp. 1-24
7. ---. 1948. *What Happened in History*, Pelican Books, Harmondsworth
8. ---. 1956. *Man Makes Himself*, London, Watts & Co
9. ---. 1962. *The Prehistory of European Society*, Spokesman Books, London
10. ----. 1970. *The Prehistory of Africa* London, Thames & Hudson ,New York: Praeger.
11. Clark, J.D.G. 1969. *World Prehistory- A New Outline*, Cambridge University Press, Cambridge
12. Cole, Sonia. 1967. *The Neolithic Revolution*, British Museum, London
13. Garrod, D.A.E. 1938. 'Upper Palaeolithic in the light of recent discovery', *Proceedings of the Prehistoric Society*, Vol. 4, pp. 1-26
14. Graziosi, Paolo. 1960. *Palaeolithic Art*, Faber and Faber, London
15. Krishnaswami, V.D. 1953. 'Progress in Prehistory, ' *Ancient India*, No. 9, pp. 55-79
16. Leakey, L. B. S. 1953. *Adam's Ancestors*, Methuen & co.Ltd, London
17. Leakey, M.D. 1971. *Olduvai Gorge Vol. III*, Cambridge University Press, Cambridge
18. Mcburney, C.B.M. 1960. *The Stone Age of Northern Africa*, Harmondsworth

19. Movijs, Hallam. L. 1954. 'Old World Prehistory: Palaeolithic', *Anthropology Today: AN Encyclopaedic Inventory*, (ed.) A. L. Kroeber, pp. 163-192, Chicago
20. Journal of World Prehistory, Editor-in-Chief: Timothy Taylor, ISSN: 0892-7537 (print version), ISSN: 1573-7802 (electronic version)

**Paper: 3T6 –Art & Architecture of Vidarbha**

1. Megalithic Burials of Vidarbha, Stupa & Rock cut Architecture of Vidarbha
2. Temple Architecture – Brick & Stone Temples – Mansar, Mandhal, Nagra, Nagardhan
3. Sculptural Art of Sunga-Satavahana, Vakataka and Post Vakataka period.
4. Terracotta, Bronzes and Miscellaneous

**Books Recommended**

1. Bakkar Hans, 2008, Mansar, Groningen
2. Berkson, Carmel 1982. An Approach Towards Examining Style in the Cave Temple, in Rupa Pratirupa (Alice Boner Commemoration Volume) [Bettina Baumer ed], pp. 57-86, New Delhi, Biblia Implex.
3. Bopardikar. B.P, Excavation at Tuljapurgarhi 1984-85 (Vidarbha, Maharashtra), Archaeological Survey of India 1996
4. Brown, Percy 1960. Indian Architecture (Buddhist and Hindu). Bombay: D. B.Taraporewala and Sons.
5. Bulletin of Deccan College Research Institute volume 64-65, 2005, Deccan Post Graduate Research Institute , Pune
6. Burges and Fergusson, 1880, Cave Temple of Western India, London
7. Cunningham, 1872-73, Reports of Archaeological Survey of India, Central Provinces and Berar, Vol. VII & IX.
8. Deglurkar, G.B, 1974, Temple Architecture and Sculptures of Maharashtra, 1974 Nagpur University, Nagpur
9. Deo, S.B. 1973, Markandi Temples Nagpur University, Nagpur
10. Deo, S.B. and Joshi, 1969-70, Pauni Excavation, Nagpur University, 1972
11. Deo, S.B and Dhavlikar, 1967, Paunar Excavation, Nagpur University 1968
12. Deo, S.B, Excavations at Takalghat & Khapa (1968-69), Nagpur University 1970
13. Deo, S.B, Mahurjhari Excavation 1970-72, Nagpur University 1973
14. Deo, S.B and Jamkhedkar, Naikund Excavation 1978-80, Dept of Archaeology and Museums Govt of Maharashtra 1982
15. Deo, S.B and Deglurkar, 1985-90, Raipur –Hingna, Deccan College
16. Dehejia, Vidya 1972. Early Buddhist Rock Temples: A Chronological Study. London: Thames and Hudson.
17. Dehejia, Vidya 1979. Early Stone Temples of Orissa. Delhi: Vikas Publishing House.
18. Deva Krishna and A K Sharma, 2009, Sculptural art of Mansar, Bharatiya Kala Prakashan
19. Dhakey M A and Michael W.Meister, 1991, Encyclopaedia of Indian Temple Architecture Vol 2 Part 1, Princeton University Press
20. Kramrisch, Stella 1986. The Hindu Temple. (2 volumes). Reprint. Delhi: Motilal Banarasidas.
21. Nagaraju, S. 1981. Buddhist Architecture of Western India. Delhi: Agam Kala Prakashan.
22. Nath. Amrendra, 1998, Further Excavation at Pauni 1994, Archaeological Survey of India, New Delhi
23. Nath Amrendra, Excavations at Adam (1998-92): a City of Asika Janapada, Archaeological Survey of India, 2016

24. Parimoo, Ratan et al. (ed.) 1991. The Art of Ajanta: New Perspective. New Delhi: Books and Books. (Two volumes)
25. Sharma, A.K, Mani, B.R. Mani and G.S. Khwaja (eds); Jagat Pati Joshi (Advisor) Puramanthana: Current Advances in Indian Archaeology: Number 3: 2005: Pravarpur Special, Dattasons, Nagpur
26. Sharma A K, 2018, Further Excavations at Mansar, B R Publications, New Delhi
27. Sarkar, H. 1966. Studies in Early Buddhist Architecture of India. New Delhi: Munshiram Manoharlal
28. Sawant Reshma, 2012, Vidarbha Archaeology, Indira Gandhi Rashtriya Manav Sangrahalay , Bhopal
29. Soundrajan,K.V., Indian Temples Styles.
30. Spink, Walter 1967. Ajanta to Ellora, Marg 20:8-67.
31. Trivedi, P.A and Singh H.N, 2019, Mandhal Excavation (1975-77), Dattasons, Nagpur
32. Rao, K P, 1996, Deccan Megaliths, Sandeep Prakashan
33. बाजपेयी, के. डी., भारतीय वास्तुकला का इतिहास, Uttar Pradesh Hindi Sansthan, Lucknow
34. शास्त्री, अ. म., अजन्ता, दिल्ली
35. माटे, एम. एस., 1974ए प्राचीन भारतीय कला, नागपूर Maharashtra Vidyapeeth Granth Nirmiti Mandal

**3P1- Practical / Field work \*\***

**3TW1- Training/Workshop**

**3S1- Seminar/Conference**

\*Students should be asked to submit an Assignment on a topic for each of the four theory papers. The assignment can be a write-up or a presentation for the 20 marks allocated as part of IA.

**\*\*\* Core Course**

\*\*\*\* 80 = Practical- Tour Report/Exploration/Excavation + 20= Viva-Vo

## **M. A. (SEMESTER- IV)**

### **Group- A (Archaeology) Detailed Syllabus**

**Paper: 4T1 - Art and Iconography**

1. Brief Outline of Prehistoric Art of India; Harappan Art; Mauryan, Sunga, Satavahana Art including Sculptures, terracotta metal, Sculptures Paintings and Miscellaneous.
2. Art of Kushana, Gupta- Vakataka and Post-Gupta Period including sculpture, Terracottas, Metal sculpture, Paintings and Miscellaneous
3. Iconography - Definition, Scope, importance; Origin of Iconography and its sources, Iconometry
4. Shaiva, Vaishnava, Sakta, Saurya, Ganapatya, Buddhist and Jaina Iconography.

**Books Recommended:**

1. Agrawal, V.S. 1948. Gupta Art. Lucknow: U.P. Historical Society.
2. Agrawal, V.S. 1965. Master pieces of Mathura Sculptures. Varanasi: Prithvi Prakashan.
3. Agrawal, V. S., 1965, Indian Art, Vishwavidyalay Prakashan, Varanasi

4. Asher, Catherine B. and Thomas R. Metcalf (Eds.). 1994. Perceptions of South Asia's Visual Past. New Delhi/ Madras: American Institute of India Studies/ Swadharma Surajya.
5. Banerji, Arundhati 1994. Early Indian Terracotta Art. New Delhi: Harman Publishing House.
6. Banerjee, J. N., 2002, The Development of Hindu Iconography, Munshiram Manoharlal
7. Benjamin Rowland, 1967, The Art and Architecture of India: Buddhist, Hindu, Jain, Penguin Books
8. Berkson, Carmel 1982. An Approach Towards Examining Style in the Cave Temple, in Rupa Pratirupa (Alice Boner Commemoration Volume) [Bettina Baumer ed], pp. 57-86, New Delhi, Biblia Implex.
9. Battacharya, Benoytosh, 1958, The Indian Buddhist Iconography, Ghosh Printing House Pvt Ltd, Calcutta
10. Bhattacharya, B. C., 1939, Jain Iconography, Motilal Banarasi Das, Delhi
11. Brown, Percy, Indian Painting, Association Press, Calcutta
12. Chakrabarti, Jayant 1980. Techniques in Indian Mural Painting. Calcutta: K. P. Bagchi and Company.
13. Coomarswami, Ananda 1972. History of Indian and Indonesian Art. New Delhi: Mushiram Manoharlal. (Indian edition)
14. Dehejia, Vidya 1990. Art of Imperial Cholas. New: York: Columbia University Press.
15. Dehejia, Vidya 1997. Discourse in Early Buddhist Art: Visual Narrative of India New Delhi: Munshiram Manoharlal.
16. Dehejia, Vidya 1997. Indian Art. London: Phaidan Press.
17. Desai Kalpana, 1973, Iconography of Vishnu, Abhinav Publication
18. Dhavalikar, M. K. 1978. Masterpieces of Indian Terracottas. Bombay: Taraporewala and Sons.
19. Dwivedi, V. K. 1976. Indian Ivories. Delhi: Agam Kala Prakashan.
20. Ghosh, A., 1996, Ajanta Murals, Archaeological Survey of India, New Delhi
21. Gupte, R. S., 1972, Iconography of the Hindus, Buddhists and Jains, D.B. Taraporewala Sons & Co. Pvt Ltd
22. Gupta, S.P. (Ed.) 1985. Kushan Sculptures from Sanghol: A Recent Discovery. New Delhi: National Museum
23. Hallade, M. 1968. Gandhara Style and the Evolution of Buddhist Art. London: Thames and Hudson.
24. Joshi, N.P. 1966. Mathura Sculptures. Mathura: Archaeological Museum.
25. Kala: Journal of Indian Art History Congress. Publisher: Indian Art History Congress, Guwahati (Assam). Annual.
26. Khandalwala, Karl (Ed.) 1991. Golden Age: Gupta Art Empire, Province and Influence. Bombay: Marg Publications.
27. Knox, Robert 1992. Amaravati: Buddhist Sculptures from the Great Stupa. London: British Museum Press.
28. Kramrisch, Stella 1933. Indian Sculpture. Calcutta: Y.M.C.A. Publication House.
29. Kramrisch, Stella 1965. The Art of India. London: Phaidon Press.
30. Mate, M. S. 1998. Prachin Kala Bharati. Pune: Continental Prakashan.
31. Motichandra 1957-58. Ancient Indian Ivories, Bulletin of the Prince of Wales Museum (1957-58) Volume 6, pp. 4-63.

32. Nehru, Lolita 1989. *Origins of Gandhara Style: A Study of Contributory Influences*. Delhi: Oxford University Press.
33. Parimoo, Ratan et al. (ed.) 1991. *The Art of Ajanta: New Perspective*. New Delhi: Books and Books.(two volumes)
34. Rama, K. 1995. *Buddhist Art of Nagarjunkonda*. Delhi: Sandeep Prakashan.
35. Rao, T. Gopinath, 1914, *Elements of Hindu Iconography*, The Law Printing House, Madras
36. Ray, Nihararanjan. 1965. *Maurya and Shunga Art*. Calcutta: Indian Studies.
37. Ray, N. R., 1945, *Maurya and Sunga Art*, University of Calcutta
38. Saraswati, S. K. 1975. *A Survey of Indian Sculpture*. New Delhi: Munshiram Manoharlal.
39. Schlingloff, Dieter 1988. *Studies in the Ajanta Paintings: Identifications and Interpretations*. Delhi: Ajanta Publications.
40. Sharma, R.C. 1986. *Mathura as School of Sculpture*, in *Dimension of Art* (Papul Jayakar Seventy), (Lokesh Chandra and Jotindra Jain Eds) pp. 407-416. Delhi: Agam kala Prakashan
41. Sivaramamurti, C. 1962. *Indian Bronzes*. Bombay: Marg Publications.
42. Smith, V. A., 1911, *History of Fine Art in India and Ceylon*, Oxford Clarendon Press
43. Spink, Walter 1967. *Ajanta to Ellora*, Marg 20:8-67.
44. Stone, Elizabeth Rosen 1994. *The Buddhist Art of Nagarjunkonda*. (Buddhist Tradition Series). Varanasi: Motilal Banarasidas.
45. William, Joanna Gottfried 1982. *Art of Gupta India: Empire and Province*. Princeton: Princeton University Press.
46. Zimmer, H. 1964. *The Art of Indian Asia*. (2 vols.). New York: Bollingen Foundations Inc.
47. गिरोला, वाचस्पती, 1963 भारतीय चित्रकला का इतिहास Mitra Prakashan Pvt Ltd Allahabad
48. शास्त्री, अजय मित्र, अजन्ता
49. गुप्ता, जगदीष, 1960 प्रागैतिहासिक भारतीय चित्रकला National Publishing House, Delhi
50. मिश्र, रमानाथ, प्राचीन भारतीय मूर्तिकला
51. जोषी, नी. पु., 1974 प्राचीन भारतीय मूर्तिविज्ञान Bihar Rashtrabhasha parishad Patna
52. तिवारी, मारुतीनंदनप्रसाद, 1981 जैनप्रतिमाविज्ञान Tara Printing Works, Varanasi
53. खरे, करुणा, प्रतिमाविज्ञान
54. माटे, एम. एस., प्राचीन भारतीय कला
55. जोषी, नी. पु., भारतीय मुर्तिशास्त्र Prasad Prakashan
56. खरे, ग. ह., प्राचीन भारतीय मूर्तिशास्त्र

#### **Paper: 4T2 - Heritage Conservation**

1. Heritage – Definition and Importance of Heritage Conservation Protection and Storage.
2. Types of heritage; Tangible – Monuments, Sculptures, Archaeological Site and Remains. Intangible –Folk lore; Folk Art and Craft; Traditional Practices-Performing arts, Social practices, Festivals.
3. Heritage and cultural Resource Management; Government Policies regarding Heritage Administration, Heritage Marketing.

4. Importance of Research of Heritage Conservation; Conservation of Heritage Sites in India-Case Studies Bhimbetka, Ellora caves, Badami, Ashok, Pattadakal, Khajuraho, Konark, Sanchi, Mahabalipuram, Nalanda.

### **Books Recommended:**

1. Agarwal O.P, 1987, Conservation of Metals in Humid Climate, Proceedings of Asian Regional Seminar, NRLC Lucknow
2. Conservation of Heritage Buildings- A Guide, Directorate General CPWD, New Delhi
3. Fladmark J.D, 1993, Heritage – Conservation Interpretation and Enterprise, Routledge
4. Jeyraj V, 2002, Handbook on Conservation in Museum, Commissioner of Museums, Tamilnadu
5. Batra N L, 1997 Heritage Conservation : Preservation and Restoration of Monuments, Aryan Book International, Delhi
6. Arun Ghose 1989, Conservation And Restoration of Cultural Heritage, Agam Kala Prakashan
7. H. Sarkar, 1981, Museum And Protection of Monuments And Antiquities In India, Sundeep Publications
8. O.P. Aggarwal, 1984, Conservation of Manuscripts and Paintings Of South-East Asia by Butterworth
9. John S Mills and Raymond White, 1994, The Organic Chemistry of Museum Objects, Butterworth-Hienmann, England
10. R.S. Singh, 1995, Conservation of Documents In Libraries, Archives And Museums, Aditya Prakashan,
11. Vincent Daniels, 1988, Early Advance In Conservation Edited, British Museum Press
12. Bernard M. Feilden, 1982, Conservation of Historic Buildings, Routledge

### **Paper: 4T3 - Iron Age in India**

1. The beginning of Iron Age in India: Problems and various theories.
2. Origin of Megalithic Culture: various theories Megalithic habiton and burials; material equipment and Socio-Economic aspects.
3. Painted Grey Ware and NBP Cultures:distribution, characteristic features and various theories; Second urbanization
4. Important Iron Age Sites in India; Hallur, Maski, Brahmagiri, Nagarjunakonda, Hastinapur, Ahichchitra, Bhagawanpura, Kosambi, Sravasti, Naikund, Mahaurjhari, Takalghat-Khapa, Bhawad, Pachkhedi, Kherwada .

### **Books Recommended:**

1. Agrawal, D.P. and D.K. Chakrabarty (ed.) 1979. Essays in Indian Protohistory. New Delhi: D.K Publishers.
2. Antonini, Silva and G. Stacul 1972. Protohistoric Graveyards of Swat (Pakistan). Rome: ISMEO.
3. Banerjee, N.R. 1965. The Iron Age in India. Delhi: MunshiramManoharlal.
4. Brubaker, Robert. 2002. Aspects of Mortuary variability in the South Indian Iron Age. Bulletin of theDeccan College Research Institute 60-61: 253-302.
5. Chakrabarti, D.K. 1992. Early Use of Iron in India. Bombay: Oxford University Press.
6. Chakrabarti, D.K. 1984. Study of the Iron Age in India. Puratattva 13:81-85.
7. Deo, S.B. 1973. Problem of South Indian Megaliths. Dharwad: Karnataka University.
8. Deo, S.B. 1985. The Megaliths: Their Culture, Ecology, Economy and Technology. In Recent Advances in Indian Archaeology, S.B. Deo and K. Paddayya (eds.). Pune:

- Deccan College.
9. Ghosh, A. 1973. *The City in Early Historical India*. Simla. Indian Institute of Advanced Study.
  10. Leshnik, Lawrence 1971. *South Indian Megalithic Burial*. Wiesbaden: Franz Steiner Verlag GmH.
  11. Mohanty, R.K., and S.R. Walimbe, 1993. A Demographic Approach to the Vidarbha Megalithic Cultures *Man and Environment*, XVIII (2):93-103.
  12. Mohanty, R.K. and V.Selvakumar,2002. The Archaeology of Megaliths in India: 1947-1997, in *Indian Archaeology in Retrospect*,(S.Settar and R.Korisettar Eds), New Delhi: Manohar Publishers.Vol.1:313-52&479-81
  13. Moorti, U.S. 1994. *Megalithic Culture of South India: Socio- Economic Perspectives*. Varanasi: Ganga Kaveri Publishing House.
  14. Narsimhaiah, B. 1980. *Neolithic and Megalithic Cultures in Tamilandu*. Delhi: Sandeep Prakasan.
  15. Renfrew, Colin. 1989. *Archaeology and Language: Puzzle of Indo- European Origins*. London: Penguin Books.
  16. Roy, T.N. 1983. *The Ganges Civilization: A Critical Study of the PGW and NBPW Periods of Ganga Plains of India*. New Delhi: Ramanand Vidya Bhavan.
  17. Sinha, B.P. 1968. *Potteries in Ancient India*. Patna: University Press.
  18. Tripathi, Vibha. 1976. *The Painted Grey Ware: an Iron Age Culture of Northern India*. Delhi: Concept Publishing House.

**Paper: 4T4 - Antiquarian Laws**

1. Antiquarian laws in India; History; Legislation; problems in Implementation.
2. Indian Treasure Trove Act, 1878; Ancient Monuments and Preservation Act, 1904; The Ancient Monuments and Archaeological Sites and Remains Act 1958 and Rules, 1959;The Ancient Monuments and Archaeological Sites and Remains (Amendment and Validation) Act, 2010
3. The Antiquities and Art Treasures Act, 1972;The Antiquities and Art Treasures Rules, 1973, Antiquities Export Control Act, 1947.
4. Land Acquisition Act 1894; Public Premises (Eviction of unauthorized Occupants) 1971. UNESCO Recommendation for the protection of movable cultural property, 1973; Venice Charter, 1964.

**Books Recommended:**

1. Government of India, “The Antiquities Art Treasures – Act, 1972”
2. Government of India, “The Antiquities and Art Treasures Rules, 1973”
3. Government of India, “The Indian Treasures Trove Act, 1878”
4. Government of India, “The Antiquities Export Control – Act, 1947”
5. Government of India, “Ancient Monument and Archaeological Remains and site Rules,1958”
6. Government of India, “Ancient Monument and Archaeological Remains and Site Rules, 1959”
7. Government of India, “The Ancient Monuments and Archaeological Sites and Remains (Amendment and Validation) Act, 2010”
8. Sarkar,H., *Museums and Protection of Monuments and Antiquities in India*.
9. Biswas, S. S. “Protection of Cultural Heritage” National Legislations and International Conventions.

**Paper: 4T5– Museology**

1. Museum and Education- meaning, Definition and Correlation between Museums and Education.
2. Storage, Handling and Preventive Conservation- Principles of museum storage, storage conditions, storage accessibility, principles for acquisition.
3. Management & Documentation- theoretical and practical training about the established international norms and practices of Museum Documentation
4. Museum Administration, types of displays and Exhibition, Museums and Public Awareness.

**Books Recommended:**

1. Agrawal, O. P., 1971, Museum Architecture, Museum Association of India
2. Agrawal, O. P., 1973, Documentation in Museum, Museum Association of India
3. Agrawal, O.P., 1975, The small Museum, Museum Association of India
4. Agrawal, Usha, 1985, Museum In India a Directory, Aryan Book International, New Delhi
5. Choudhari, R. D., 1998, Museum of India and their Maladies, Agam Kala Prakashan, Delhi
6. Dwedi, V.P., & G. N. Pant, 1980, Museum and Museology, Agam Kala Prakashan, Delhi
7. Gairola, T. R., 1960, Handbook of Chemical Conservation of Museum Objects, Maharaja Sayajirao University, Baroda
8. Jahir, M., 1963, Museum Management, Allahabad
9. <http://asi.nic.in>
10. [www.about.com-archaeology](http://www.about.com-archaeology)

**Paper: 4T6 - Ancient Civilizations**

1. Egypt; Political, Social and Religious History
2. Ancient Sumer; Political, Social and Religious History
3. Ancient China; Political, Social and Religious History
4. Ancient Mesopotamia; Political, Social and Religious History

**Books Recommended:**

1. Ancient Man - The Beginning of Civilizations, Hendrik Willem Van Loon, Boni & Liveright Inc Publishers, New York
2. Ancient Mesopotamia, Susan Pollock Cambridge University Press 1999
3. Early Mesopotamia, Nicholas Postgate, Routledge London/NewYork 1992
4. World Prehistory and Archaeology: Pearson New International Edition, 2011
5. A History of the Ancient Near East, Marc van de Mieroop, Blackwell Publishing, 2006
6. The Early History of the Ancient Near East, Hans Nissen, University of Chicago Press, 1990
7. Tales of Ancient Egypt (Paperback) Roger Lancelyn Green, Penguin Books, London, 1996
8. The Oxford Handbook of the Valley of the Kings (Hardcover) Richard H. Wilkinson, Oxford University Press, 2016
9. Ancient Egyptian Tombs: The Culture of Life and Death, Steven Snape, Wiley-Blackwell, 2011
10. The Story of Egypt: The Civilization that Shaped the World, Joann Fletcher, Pegasus Books, 2015



11. The Great Pyramid: Ancient Egypt Revisited, John Romer, Cambridge University Press, 2007

**Paper: 4P1– Project\*\***

**Project on a topic related to archaeology under the supervision of any faculty of the Department.**

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