

Master in Conservation, Preservation and Heritage Management (MCPHM)

First Semester

Paper Code: 89601

Title of the Paper : India and the World : Through the Ages

Unit I : The Beginnings to the First Civilizations

- a. Prehistory, protohistory, history and stone age cultures, beginning of agriculture
- b. The evolution of civilization-Egypt, Mesopotamia, India and China
- c. Minoans and Mycenaean Civilizations
- d. Vedic Culture

Unit II : Towards organized states (600 B.C to 150 B.C)

- a. Greek, Persian, Hellenistic, and Roman empire - Republic to Augustus
- b. Evolution of State in India - Janapadas, Mahajanapadas and the Mauryan empire
- c. Chinese civilization —Chou Dynasty, Mesoamerican Civilization
- d. Evolution of philosophy, religion and science

Unit III : Conflict and Interaction (150 B.C to 700 A.D)

- a. Breakdown of Roman empire and the beginning of Feudal Europe
- b. Breakup of Mauryan Empire, Sungas, Kushanas, Sakas
- c. Byzantine empire and Europe
- d. Religion, art, culture, science and literature

Unit IV : The Cultural Efflorescence

- a. The golden age of Indian and the Chinese civilizations
- b. The Trade, Towns, Manors and Castle.
- c. Arab conquest and the Ommayad Caliphate and the Abbasids,
- d. Science, religion, literature and arts

Unit V: To the Modern World

- a. India 12th - 19th centuries A.D.
- b. The Ottoman empire and the making of Europe.
- c. The Renaissance and its impact on human civilization
- d. Science, religion, art, culture etc.

READING LIST

Paper Code: 89601 : India and the World : Through the Ages

1. Robert J. Wenke : *Pattern in Prehistory*, Oxford.
2. Clark Kenneth : *Civilization*, Penguin
3. Burn, Ralph, Learver (ed): *World Civilization*, Vol. I-III, New York.
4. M. Savelle : *A History of World Civilization*, New York
5. A. Toyanbee : *A Study of History*, London.
6. J. Howkes : *The First Great Civilizations*, London.
7. R.C.Majumdar : *Vedic Age*, Bombay
8. B.R. Allchin : *Rise of Civilization in India and Pakistan*, Cambridge.
9. A. Andrews : *Greek Society*, Penguins.
10. D.C. Michael : *Breaking the Maya Code*, Penguin.
11. F. Braudel : *History of World Civilization*, Penguin.
12. Arthur Collerell : *An Encyclopedia Classical Civilizations*, Penguin.
13. Rodvey Castleden : *Minoans-Life in Bronze Age Circle*, New York.
14. G. Roux : *Ancient Iraq*, Penguins.
15. H. Kees : *Ancient Egypt*, London.
16. Nigel Davies : *The ancient Kingdoms of Mexico*, Penguin.
17. F.Friedrich Heer : *The Medieval World*, London.
18. F. Friedrich Heer : Volumes Published under *Lost Civilization Seves*,
19. J. K. Fair Bank : (i) *China* , London.
(ii) *East Asia*, London
20. J. H. Mundy : *Europe in the High Middle Ages*, London.
21. J. H. Plumb : *Renaissance*, Penguins
22. N.E. Cantor : *The Civilization of the Middle Ages*, New York.
23. E. Gibbon : *The History of the Decline and fall of the Roman Empire*, Penguin.
24. J. J. Norwich : *A short History of Byzantium*, Penguin.
25. Peter Mansfield : *The Arabs*, Penguins.
26. Buyantyn Dashtsern : *The History and Culture of Mongolia*, Calcutta.
27. J. M. Roberts : *History of Europe*, Penguin.
28. E. Hobsbawn : *The Age of Revolution*, New Delhi
29. E. Hobsbawn : *The Age of Empire*, New Delhi.
30. E. Hobsbawn : *The Age of Capital*, New Delhi.
31. E. Hobsbawn : *History of Humanity*, Vol-1-IV, Unesco Publication.
32. Colin Wells : *The Roman Empire*, London.
33. H. G. Wells : *An outline of World History*, Penguin.
34. Buddha Prakash : *India and the World*, Hoshiarpur.
35. Buddha Prakash : *Old World Civilization*.
36. Buddha Prakash : *New World an Pacific Civilization*, Series of American Museum of National History, Hongkong.

Master in Conservation, Preservation and Heritage Management (MCPHM)

First Semester

**Paper Code: 89603
(Practical Code: 651)***

Title of the Paper : Architecture of India

Unit-I :

- a. Origin of physical forms and structures in Indian architecture
- b. Body as a measure, axis of access and symbolism in architecture
- c. Relationship between inner and outer space in Indian architecture
- d. Sacred space, sacred place and the concept of mandala

Unit- II :

- a. Harappan and Post Harappan Architecture
- b. Pre-Mauryan and Mauryan Architecture
- c. Development of Stupa Architecture - Sanchi, Bharhut, Amaravati, Nagarjunakonda, Sarnath,
- d. Beginning of Rock-cut Architecture – Sudama Cave, Lomas Rishi, Bhaja, Kondane, Nasik, Pitalkhora, Karle Khandgiri, Ajanta and Elephanta.

Unit III :

- a. Rock-cut Architecture – Mamallapuram and Ellora (Kailash Temple)
- b. Rock-cut Architecture of Ajanta, Pitalkohra and Ellora (Buddhist and Jain Caves).
- c. Beginning of Temple Architecture - Sonkh, Deogarh, Bhitargaon, Aihole and Pattadakal
- d. Case study

Unit IV :

- a. Evolution of Nagara Style of Temple - Gwalior, Khajuraho, Bhubaneswar and Konark
- b. Evolution of Dravidian Style of Temple - Aihole, Pattadakal, Badami, Mamallapuram, Thanjavur, Hampi,
- c. Evolution of Vesara style of temple - Mount Abu, Gujarat and others Somanth Halebid
- d. Case Study

Unit V :

- a. Architecture of Sultanate period.
- b. Architecture of Mughal period.
- c. Anglo-Indian Architecture.
- d. Case studies : Vijayanagar, Delhi and Fatehpur Sikri.

*** Practicals include Site Visit**

READING LIST

Paper Code: 89603: Architecture of India

1. Acharya, P.K. 1993. *An Encyclopaedia of Hindu Architecture*. New Delhi.
2. Acharya, P.K. 1995. *A Dictionary of Hindu Architecture*. New Delhi.
3. Asher, C.B. 1995. *Architecture of Mughal India*. Cambridge University Press
4. Balasubramanya, S.R. 1978. *Middle Chola Temples*. Faridabad
5. Brand, M & Lowry, G.D. 1987. *Fatehpur Sikri*. Marg Publication
6. Brown, P. 1997. *Indian Architecture (Buddhist and Hindu Periods)*. Bombay.
7. Brown, P. 1996. *Indian Architecture (Islamic Period)*. Bombay.
8. Coomaraswamy, A.K. 1983. *Symbolism of Indian Architecture*. Jaipur
9. Coomaraswamy, A.K. 1991. *Early Indian Architecture*. New Delhi
10. Cousens, H. 1996. *The Chalukyan Architecture*. New Delhi.
11. Dallapiccola, A.L. (ed.) 1985. *Vijayanagara - City and Empire - New Currents of Research*. Stuttgart
12. Fergusson, J. 1910. *History of Indian and Eastern Architecture (2 Vols.)*. London.
13. Fergusson, J. and Burgess, J. 1988. *The Cave Temples of India*. New Delhi.
14. Govind Chandra, R. 1996. *Indian Symbolism*. New Delhi.
15. Hardy, A. 1995. *Indian Temple Architecture : Form and Transformation*. New Delhi.
16. Kramarisch, S. 1976. *The Hindu Temple (2 Vols.)*. New Delhi.
17. Krishnadeva, 1990. *Temples of Khajuraho*, New Delhi.
18. Krishnadeva, 1990. *Temples of India (2 Vols.)*. New Delhi.
19. Macdonald, A.W. 1997. *Mandala and Landscape*. New Delhi.
20. Meister, H.W. & Dhaky, M.A. (eds.) 1991. *Encyclopaedia of Indian temple Architecture*. American Institute of Indian Studies
21. Michell, G. 1995. *Architecture and Art of Southern India*. Cambridge University Press
22. Nagaraju, S. 1981. *Buddhist Architecture of Western India*. Delhi.
23. Nath, R. 1994. *History of Mughal Architecture*. Delhi.
24. Page, J.A. et al 1997. *Monuments of Delhi (3 Vol.)*. New Delhi.
25. Settar, S. 1992. *The Hoysala Temples (2Vol.)*. Dharwad.
26. Soundara Rajan, K.V. 1981. *Cave Temples of the Deccan*. New Delhi .
27. Srinivasan, K.R. 1971. *The Temples of South India*. New Delhi.
28. Srinivasan, K.R. 1973. *Cave Temple of the Pallavas*. New Delhi.
29. Tadgell, C. 1990. *The History of Architecture in India*. Phaidon Press Ltd.
30. Tomory E. 1989. *A History of Fine Arts in India and the West*. Madras.
31. Vatsyayan, K. 1991. *Concept of Space, Ancient and Modern*. New Delhi.

Master in Conservation, Preservation and Heritage Management (MCPHM)

First Semester

**Paper Code: 89605
(Practical Code: 653)***

Title of the Paper : Heritage Tourism and Management - Concepts, Planning and Marketing

Unit I : General

- a: Introduction to Tourism and Heritage: meaning and significance
- b. Historical development of tourism
- c. Tourism framework and types of tourists
- d. The tourist industry and component of tourist industry : attractions, transports, accommodations, refreshments, shopping, entertainment's etc.

Unit II: Management of Tourism:

- a: Present state of Indian Tourism – Emerging trends in tourism
- b. New thrust areas
- c. Concept and function of Management - nature and significance of management, Managerial roles, responsibility, processes in organization.
- d. Evolution of Management theory, schools of management, behavioural approach, human relations approach.

Unit III: Organisational Behaviour

- a: Communication; process and types; Inter-personal skills, barriers of communications, Decision - making.
- b: Concept and features of organisations : Types of organisation, significance of organisation, organisational goals. Concept of organisational behaviour, Hawthorne experiment
- c: Behaviour and motivation - nature of human behaviour, Needs Hierarchy Theory, Hygiene theory, 'X' and 'Y' theory, 'Z' theory of Motivation. Job enlargement, job enrichment; motivational pattern in Indian organisations
- d: Theories of leadership - concept of leadership, leadership styles in Indian Organizations, organisation effectiveness, organisational climate

Unit IV: Conference and Convention Management

- a: Introduction to conventions, exhibition and meetings. Definition of conference and the components of the conference market. Introduction to convention venues
- b: The nature of conference markets, the demand for conference facilities. The growth and development of the industry. The economic and social significance of conventions. The impact of conventions on local and national communities
- c: Trade shows and exhibitions, principal purpose, types of shows, major participants, organisation and membership

Unit V: Tourism marketing and management :

- a: Tourism products : Why it is different from other types of consumer products ? Tourism - oriented products, resident - oriented products and background tourism elements. Different types of tourism products e.g. natural attractions - beach, hill resorts, wildlife sanctuaries and national parks, waterfalls and islands; cultural attractions, monuments, architecture, arts and handicrafts, music and dance forms, festivals, religious tourism.
- b: Marketing tourism - difference between tourism marketing and products and services, uniqueness of tourism marketing. Market surveys, research forecasting etc. and target market selection
- c: Introduction to tourism promotion and method; Advertising, travel brochure, films, sale promotions.
- d: Managing the marketing mix in heritage tourism - locating, pricing, role and use of specific intermediaries, selling tours

*** Practicals include Site Visit**

READING LIST

Paper Code: 89605 : Heritage Tourism & Management: Concepts, planning and Marketing

1. Tim Edensor : Tourist at Taj : Routledge 1998
2. Stephen Clift : Tourism and Health , Printer 1997
3. Myrah Shackley : Visitor Management Butterworth , 1998
4. A.K. Bhatia : International Tourism : Fundamentals and Practise. Sterling Pub. Pvt. Ltd. 1997
5. P. Kotler : Marketing Management Prentice Hall India . 1992
6. B.S. Moshal : Management Theory & Practise in India, Galgotia Pub. Com. 1998.
7. Philip. G. : Tourism Geography National Publishers, 1998
8. Donald. E Lundberg : The tourism Business, Van Nostrand Reinhold 1990
9. R. Burton : Tourist Geography, Longman 1998
10. Robert, J. Brym : International Tourism Sage 1995
11. Doughlas G.Pearce : Contemporary Issues in Tourism Development, Routledge 1999.
12. P.S. Gill : Dynamics of Tourism , Vol. I, II, III & IV, Anmol Pub. Pvt. Ltd. 1996
13. G.S. Batra : Tourism in the 21st Century, Anmol Pub. Ltd. 1996
14. Bijender, K. Punia : Tourism Management : Problem & Perspectives, Ashish Pub. House 1994
15. Tej Vir Singh : Tourism Environment : Nature, Culture & Economy, Inter Plan India 1991
16. K.K. Kamra : Tourism, Theory , Planning & Practise, Indus Pub. 1997
17. Eric Laws : Tourism Destination Management, Routledge 1995
18. Praveen Sethi : Tourism for the next millennium , Rajat Pub. House 1999
19. S.P. Tewari : Tourism Dimensions , Atmaram & Sons 1994
20. Anna Leask & Ian Yoeman : Heritage Visitor Attractions : An operations Management perspective, Cassel 1999.
21. Micheal C. Hall & Alan. A, Lew : Sustainable Tourism A Geographical Perspective, Addition Wesley Longman 1998
22. Chris Cooper : Tourism Principles & Practise, Addition Wesley Longmen 1998
23. Chris Holloway : Business of Tourism , Addition Wesley Longman.
24. Abram Simone : Tourists & Tourism , Berg, Oxford 1997
25. Francois Accher : Tourism : Transnational Corporations and Cultural identities Unesco 1985
26. V.T.C. Middleton : Marketing in Travel & Tourism , Heinemann 1998
27. Brian. G. Boniface & C.P. Cooper : Geography of Travel and Tourism, Heinemann 1987
28. CM Hall & S.J. Page : Geography of Tourism and Recreation , Routledge.
29. S.Wahab, & J.J. Pigram : Tourism Development & Growth. Routledge 1997

Master in Conservation, Preservation and Heritage Management (MCPHM)

First Semester

**Paper Code: 89607
(Practical Code: 655)***

Title of the Paper : Heritage Museum and Management - Concept, Planning and Presentation

Unit I : Definition, Typology and Policies

- a. Definitions of Museums, Museology and Museography
- b. History of Museums International / National
- c. Theories of Museology
- d. Laws, Acts and Policies

Unit II : Type and function of museums

- a. Type of Museums : India and abroad
- b. Functions of a Museum
- c. Nature of Museum work i.e. - Professional Museum Organizations, Museum Associations and their work, Professional ethics
- d. Concepts of the new museums, modern museums - ECO - museums, neighbourhood museums, living museums etc. - museum development.

Unit III : Collection and Documentation

- a. Collections : Theories, policies, ethics of collection
- b. Modes of acquisition : field - gathering, purchase, gifts, loans, exchange, treasure, trove etc.
- c. Collection problems - forgeries, copies, replicas, export/import control
- d. Documentation process

Unit IV: Display and Exhibition

- a. Type of exhibitions
- b. Organization of exhibitions
- c. Planning
- d. Elements

Unit V : Preservation

- a. Ethics of conservation, preservation, principles of maintenance of collection.
- b. Environmental factors, aspects, material-organic/inorganic
- c. Emergency conservation - treatment and resources
- c. Relation between museums and conservation - awareness of outside facilities

*** Practicals include Museum Visit**

READING LIST

Paper Code: 89607: Heritage Museum Management Concept, Planning And Presentation

1. Alexander E.P. 1979 : *Museums in Motion : An Introduction to History and Function of Museums.* Nashville.
2. Alexander , E.P.(ed.) 1995 : *Museum Masters: Their Museums and their influence,* New Delhi
3. Ambrose, T. : *Museum Basics,* ICOM, Landon & NewYork.
& C. Paine, 1993
4. Belcher, M. 1991 : *Exhibition in Museums* Washington D.C.
5. Brawne, M. 1965. : *The New Museum : Architecture and Display.* New York.
6. Case, H. (ed.). 1988. : *Registrars on Record : Essays on Museum Collection Management.* Washington.
7. Davis, P. 1999 : *Ecomuseums ,* London
8. Dean, D, 1998 : *Museum Exhibition : Theory and Practice,* London & NewYork.
9. Edson, G. & D.Dean : *The Handbook for Museums,* London & NewYork
10. Fahy, A.(ed.) 1999 : *Collection Management ,* London & NewYork
11. Glaser, Jane R. & : *Museums : A Place to Work Planning Museum Careers,*
A.A.Zenetou, 2000 (re.) London & NewYork
12. Hooper-Greenhill, E (ed) 1999 : *The Educational Role of Museum,* London & NewYork
13. Kavanagh, G. (ed.) 1999 : *Museum Provision and Professionalism,* London & NewYork.
14. Keene, S. 1990. : *Managing Conservation.* London
15. Knell, S.(ed.) 2000 (re.): *Care of Collection,* London & NewYork.
16. Light, R.B., Roberts, D.A. & J.D. Steward (eds.) 1986. *Museum Documentation Systems : Developments and Applications.* London.
17. Lord, B. & 1983. : *Planning our Museums.* Ottawa.
Herd, G.D. (ed.).
18. Macdonold, S.(ed), 1999 : *The Politics of Display,* London & NewYork
19. Pearce, S.M. (ed.) 1989: *Museum Studies in Material Culture.* Leicester.
20. Pearce, S.M. 1990 : *Archaeological Curatorship.* Leicester.
21. Pearce, S. M.(ed.)1999 : *Interpreting Objects and Collections,* London & NewYork
22. Plenderleith, H.J. & : *The Conservation of Antiquities and Works of Arts*
Werner A.E.A. 1971 . London.
23. Punja, S. 1998, : *Museums of India,* Penguin, New Delhi.
24. Sarkar, H. 1981. : *Museums and Protection of Monuments and Aniquities in India.* New Delhi.
25. Singh, A. P. 1987. : *Conservation & Museum Techniques.* New Delhi.
26. Stollow, N. 1979. : *Conservation Standards for works of Art in Transit and on Exhibition.* Paris.
27. Stollow, N. 1987. : *Conservation and Exhibition : Packing, Transport, Storage and Environmental Consideration.* London.
28. Thompson, G. 1978. : *The Museum Environment.* London.
29. Thompson, J. 1984. : *Manual of Curatorship - A Guide to Museum Practice.* London.
30. Vergo, P. 1989 (ed). : *The New Museology.* London.
31. Woodhed, P & : *Museum Studies.* Mansell.
G. Stansfield, 1994

Master in Conservation, Preservation and Heritage Management (MCPHM)

Second Semester

**Paper Code: 89602
(Practical Code: 652)***

Title of the Paper : Cultural Heritage of India

Unit I : Concepts of Cultural Heritage

- a. Social, Cultural and Religious Heritage
- b. Myths and Legends, Traditions
- c. Oral and Living
- d. Literary sources : Vedic and Archaeological

Unit II : Social Traditions

- a. *Varna, Jati, Ashrama,*
- b. *Karma, Rina, Purushartha Dana, Pataka, Prayaschitta*
- c. *Vrata, Upavasa, Tirtha, Tirtha –Yatras*
- d. *Samsakara; Position of women*

Unit III : Religion and Philosophy

- a. Vedic Traditions and six school of philosophy
- b. Jainism, Buddhism and Ajivikas
- c. Vaishnavism, Saivism, Saktism and Bhakti
- d. Islamic, Christian and Tribal belief systems

Unit IV : Evolution of Political Ideas

- a. Evolution of Polity : Formative Period
- b. Evolution of Polity : Crystallization of Precepts and ideas
- c. Laws and Legal Institutions
- d. Republic

Unit V : Educational and Scientific Developments

- a. *Gurukulas, and Agraharas*
- b. Important centers of learning
- c. Sciences ; Mathematics, Astronomy and Calendar
- d. Medicine, Surgery and Metallurgy

*** Practicals include Academic Tour**

Paper Code: 89602 : CULTURAL HERITAGE OF INDIA

1. Ainslie, T. Embree. 1991. *Sources of Indian Tradition. 2 Vols.* Penguin Books.
2. Aiyangar, K.V. Rangaswami. 1988. *Some Aspects of Ancient Indian Polity.* Patna.
3. Bandyopadhyaya, N.C. 1980. *Development of Hindu Polity and Political Theories.* Delhi.
4. Banerjee, B.N. 1979. *Hindu Culture, Custom and Ceremony .* Delhi .
5. Basham, A.L. 1989. *The Wonder that was India,* Delhi
6. Beni Prasad. 1974. *Theory of Government in Ancient India,* Allahabad.
7. Bhandarkar, D.R. 1988. *Some Aspects of Ancient Hindu Polity.* Patna
8. Bhattacharyya, N.N. 1996. *Indian Religious Historiography.* Delhi.
9. Chattapadhyaya, D.P. 1992. *Studies in Indian Culture 2 Vols.* Calcutta.
10. Choudhary, R. 1971. *Kautilya's Political Ideas and Institutions.* Varanasi.
11. Deo, S.B. and Kamath Suryanath, 1993. *The Aryan Problem.* Pune.
12. Desikachar, S V. 1993. *Caste, Religion and Country.* Delhi.
13. Frawley, David and Navaratna S. Rajaram, 1994. *Vedic Aryans and the Origin of Civilization,* Quebec.
14. Frawley, David 1997. *Hinduism.* Delhi.
15. Ghurye, G.S. 1962. *Family and Kin in Indo-European Culture,* Bombay.
16. Hillebrant, Alfred. 1990. *Vedic Mythology. 2 Vol,* Delhi.
17. Hutton, J.H. 1951. *Caste in India.* Oxford.
18. Jaiswal, Suvira. 1981. *The Origin and Development of Vaishnavism .* Delhi.
19. Kane, P.V. 1997. *History of Dharmashatras 5 Vols.* Pune.
20. Kangle, R.P. : 1997-98. *The Kautilya Arthashastra (3 Vols.)* Delhi.
21. Kosambi, D.D. 1975. *An Introduction to the Study of Indian History.* Bombay.
22. Kosambi, D.D. 1975. *The Culture and Civilization of Ancient India.* Delhi.
23. Kulke, Hermann (ed.) 1997. *The State in India.* Delhi .
24. Madan, T.N. 1997. *Religion in India (Social Anthropology)* Delhi.
25. Mandalbaum. *Caste in India : Change and Continuity,* Bombay.
26. Majumdar, R.C. 1994. *Ancient India.* Delhi .
27. Majumdar, R.C. 1996. *The Vedic Age.* Mumbai .
28. Maxmuller, F. 1994. *Vedic Hymns(2 Vols.).* Delhi .
29. Nath, Vijay 1987. *Dana: Gift System in Ancient India.* Delhi.
30. Pande, G.C. 1995. *Studies in the Origin of Buddhism.* Delhi.
31. Pande G.C. 1995. *Foundations of Indian Culture. 2 Vols.* Delhi.
32. Pandey, Rajbali. 1994. *Hindu Sanskaras.* Delhi.
33. Radhakrishnan, S. 1998. *The Principal Upanishads.* Delhi.
34. Radhakrishnan, S. 1998. *Indian Philosophy. 2 Vols.* Delhi.
35. Radhakrishnan, S. *et. al.* 1993. *The Culture Heritage of India (6 Vols.).* The R.K. Mission.
36. Stanley, Rice. 1993. *Hindu Customs and their Origins.* Delhi.
37. Roy, Kumkum. 1994. *The Emergence of Monarchy in North India.* Delhi.
38. Sastry Shama, R. 1967. *Evolution of Indian Polity.* Mysore
39. Sharma, R.N. 1995. *The Ashtadhyayi of Panini (Vols. 3).* Delhi.
40. Singh, Bhagwan. 1995. *The Vedic Harappans.* Delhi .
41. Singh, Chitrlekha 1999. *Hindu Festivals, Fairs and Fasts.* Delhi.
42. Subbarayappa, B.V. 1988. *Scientific Heritage of India.* Bangalore.
43. Thapar, Romila. 1984. *Ancient Indian Social History.* Hyderabad.
44. Walker, Benjamin. 1983. *Hindu World. 2 Vols.* Delhi.
45. Sri Aurobindo : *The Foundations of Indian Culture.* Pondichery 1959.

Master in Conservation, Preservation and Heritage Management (MCPHM)

Second Semester

**Paper Code: 89604
(Practical Code: 654)***

Title of the Paper : Art of India

Unit - I : Beginning of Art in India

- a. Pre-Historic Rock Paintings
- b. Terracotta art of Harappan and Chalcolithic periods
- c. Terracotta art of Early first millennium B.C.
- d. Paintings and graffiti on proto historic pottery

Unit - II: Plastic Arts in India

- a. Beginnings of plastic art.
- b. Mauryan Sunga and Satavahana art
- c. The terracotta art of Kausambi Ahichchhatra, Mathura etc. upto Gupta period.
- d. Early Indian Bronzes

Unit - III : Evolution of Images

- a. Evolution of Buddhist, Jain and Brahmanical Images
- b. Art and Images on the coins
- c. Gandhara and Mathura art
- d. Sculptural art of Sanchi, Bharhut, Bodh Gaya, Amaravati, Khajuraho, Konark, Ajanta and Ellora-Mahabalipuram, Thanjavur and Halebid

Unit - IV: Iconography

- a. Buddhist Iconography
- b. Jain Iconography
- c. Saiva, Vaishnava and Sakta Iconography
- d. Minor and folk deities and their Iconography

Unit - V : Paintings in India

- a. Ajanta, Ellora Sittanavasal paintings, manuscript painting, techniques, material and media.
- b. Mughal paintings.
- c. Rajasthan and Hill schools of paintings.
- d. Paintings of Medieval Deccan and South India.

*** Practicals include Academic Tour**

READING LIST

PAPER CODE: 89604 : ART OF INDIA

1. Agarwala, V.S. 1995 (re) *Indian Art*, Varanasi.
2. Banerjea, J.N. 1956. *Development of Hindu Iconography*, Calcutta.
3. Beach, M.C. 1992. *Mughal & Rajput Paintings*. (University Press)Cambridge
4. Brown, Percy. *Indian Architecture*, Bombay.
5. Burton, T.R. 1994. *Hindu Art*. British Museum Press, London.
6. Bussagli, M. C. & Sivaramamurti, C. *5000 Years of Indian Art*.
7. Chakravarti J. 1980. *Techniques of Indian Mural Paintings* . Calcutta.
8. Coomaraswamy A.K. 1994. *Jain Art*. New Delhi.
9. Coomaraswamy, A.K. 1985, *Fundamentals of Indian Art*, New Delhi
10. Coomaraswamy, A.K. 1994 *The Transformation of Nature in Art*, New Delhi
11. Coomaraswamy, A.K. 1998, *Elements of Buddhist Iconography*, New Delhi.
12. Coomaraswamy, Anand K. 1999, *Introduction to Indian Art*, New Delhi.
13. Craven, Roy C. 1997, *Indian Art* (revised) London.
14. Ghosh A. 1996. *Ajanta Murals*. New Delhi.
15. Ghosh A. 1997. *Miniature Paintings and album* .New Delhi.
16. Gangoly, O.C. 1915, *South Indian Bronzes*, Calcutta.
17. Gupta S.P. 1980, *Roots of Indian Art*. New Delhi.
18. Harle J.C. 1990. *The Art and Architecture of India* . London.
19. Januazozak W. 1990. *Techniques of the World's Great Painters* . London.
20. Kar, C. 1952 *Indian Metal Sculpture*, London.
21. Kar, C. 1980 *Classical Indian Sculpture*, London.
22. Kramrisch Stella. *Art of India*; Kramrisch, S. 1993, *Indian Sculpture*, Calcutta.
23. Mookerjee A. 1998. *Ritual Art of India*. New Delhi.
24. Mukherjee R. 1959. *The Culture and Art of India*. New Delhi.
25. Neumayer, E. 1993. *Lines on Stone -The Prehistoric Art of India*. New Delhi.
26. Pal P. 1993. *Indian Paintings*, Ahmedabad.
27. Parimu Ratan et. al (eds.) 1991, *The Art of Ajanta* 2 Vols. New Delhi.
28. Rao, T.A. Gopinath 1997 (re.) *Elements of Hindu Iconography*, 2 Vols
New Delhi.
29. Ray N. 1973. *Idea and Image in Indian Art*. New Delhi.
30. Ray N.R. *Mauryan and Post Maurya Art*, New Delhi.
31. Saraswati, S.K. 1975, *A Survey of Indian Sculpture*, New Delhi.
32. Sivaramamurti C. 1996. *Indian Painting*. New Delhi.
33. Sivaramamurti, C. 1994 (re.), *South Indian Paintings*, New Delhi.
34. Sivaramamurti S, 1974, *The Art of India*, New York.
35. Smith V.A. *History of Fine Art in India & Ceylon*.
36. Soundara Rajan, K.V. 1980, *Art of South India*, Delhi.
37. Vatsayayan, Kapila. *The Square and Circle of Indian Art*. New Delhi.
38. Verma S.P. *Mughal painting*. New Delhi.

Master in Conservation, Preservation and Heritage Management (MCPHM)

Second Semester

**Paper Code: 89606
(Practical Code: 656)***

Title of the Paper : Heritage Tourism and Management— Agencies Organizations and Impacts

Unit I: Organisation of Tourism

- a: International and national tourism organisations WTO/ IATA/PATA and TAAI, IATO, etc. Agencies / organizations and Ministries in India linked with tourism
- b: Strategy, missions and objectives for tourism organizations
- c: Role of travel agencies, tour operators, tour guides, interpreters guide lecture and their training
- d: Planning in Tourism, Approaches and Process for Tourism planning in destination areas, role of public and private sectors, product life cycle

Unit II: Tour Operator Units travel Agencies Tourism Regulation

- a: How to setup a travel agency : proprietorship, partnership, private ltd., Government. IATA rules and regulation, cost benefit break even analysis, sources of income-service charges etc.
- b: How to setup a tour operation unit : Government. rules and regulation, tourism bill rights : tourism codes, Manila Declaration
- c: International convention : The IATA general condition of carriage (passenger and baggage) Consumer protection law, 1986 and MRTTP act applicable to tourist as consumer
- d: Laws pertaining to a accommodations, Fire Safety, health safety etc. liability laws with respect to guests and their belonging

Unit III: Geography of Tourism :

- a: Importance of geography in tourism, natural and climatic regions of the world
- b: Major tourist attraction world -wide, recent trends in international tourist movement, (characteristic of Indian out bound travel)
- c: Tourist transport system - Airlines, surface (bus coach and car rental), railways, cruise ships and water transport.
- d: Aviator geography, IATA areas, sub-areas and basic planning itinerary. IATA 3-letter city and Airport Codes

Unit IV: Basic Fares and Ticketing

- a: ICAO, global indicator (EH, WH, AT, PA, AP, TS etc.)
- b: ABC familiarization airline schedule, passenger documentation/travel formalities (TIM)
- c: Familiarization of Air Tariff, introduction to fare construction, mileage principle, fare construction with extra mileage allowance (EMA) and extra mileage surcharge (EMS)
- d: Higher intermediates point (HIP), circle trip minimum (CTM), backhaul check, special fares, passenger ticket and baggage check (with issuance of ticket with itineraries - one way (OW), return (RT), circle trip (CT)

Unit V : Impact of Tourism

- a: Economic and environmental impacts
- b: Socio-cultural impact
- c: Managing impacts
- d: Concept of carrying capacity and sustainable /responsible Tourism.
Reference to case studies – Goa/Himalayas/Khajuraho /Jaisalmer.

*** Practicals include Academic Tour**

Reading List

Paper Code: 89606 : Heritage Tourism and Management— Agencies Organizations and Impacts

1. A.K. Bhatia : International Tourism, Sterling Pub. Pvt. Ltd., 1997
2. Chris Cooper : Tourism, Principles and Practice, Addition Wesley Longmen 1998
3. Pushpendra Singh Gill : Dynamics of Tourism, Anmol Pub. Pvt. Ltd., 1996
4. J. Christopher Hollowy : Business of Tourism, Addition Wesley Longman.
5. P.D. Lundberg : Tourist Business, Van Nostrand Reinhold 1990
6. S. Wahab : Tourism Development and Growth, Routledge 1997.
7. K.K. Sharma : Planning for Tourism, Indus Pub. 1997
8. S.P. Tiwari : Tourism Dimensions, Atmaram and Sons 1994
9. T.N. Chhabra : Principle, Practice and Management, Dhanpat Rai and Co. (P) Ltd., 2000
10. Dr. Manohar Sajnani : Indian Tourism Business – A Legal Perspectives, Gyan Pub. House 1999.
11. Ratandeep Singh : Infrastructure of Tourism in India, Kaniska Pub. 1996
12. B. K. Chakravarty : Hotel Management, APH Pub. Corporation 1999.
13. R. Thomas : Hospitality Industry- Tourism and Europe
14. S.S.Malik : Ethical, Legal and Regulatory Aspects of Tourism Business.
15. Praveen Seth : Tourism for the next millennium, Rajat Pub. House 1999
16. Anoop K. Kaushal : Consumer Protection Law, Universal Law Pub. Co. Pvt. Ltd., 1999
17. K.K. Sharma : Tourism and Travel Industry, Indus Pub. 1997
18. Darren Lee Ross : HRM in Tourism and Hospitality, Dhanpat Rai & Company 2000
19. ABC World Wide Airways guide (Red and Blue)
20. Air Tariff Book : World wide Rules , IT Fares etc.
21. Air Tariff Book : World wide maximum permitted mileage
22. Kemp and Pearson : Leisure and Tourism, Addison Wesley, Longman 1996
23. Lanfant and Bruner : International Tourism
24. Maridula & Narayan Dutt : Ecology and Tourism, Universal Pub. 1991
25. Tej Vir Singh : Tourism Environment, Inter Plan India 1991
26. Harish Chandra : Hill Tourism, Kaniska Pub. House 1998
27. Shalini Singh : Profiles of Indian Tourism, APH Pub. House 1996
28. Rajiv K. Sinha : Global Biodiversity, INA Shree Pub. Jaipur 1997
29. David A Fennell : Ecotourism – Routledge
30. C.M. Hall : Sustainable Tourism, Longman 1998
31. B.S. Badan : Impact of Tourism in South India, Commonwealth Pub. 1997
32. Jost Krippendorf : The Holiday Maker, Butterworth Heinemann 1987

Master in Conservation, Preservation and Heritage Management (MCPHM)

Second Semester

**Paper Code: 89608
(Practical Code: 658)***

**Title of the Paper : Heritage Museum and Management - Public Relations,
Education, Research and Publication**

Unit I : Location information

- a. Museum, its surrounding and use of space design
- b. Building and layout according to type and function of the museums
- c. Equipments : environmental control etc.
- d. Display , storage office and security spaces

Unit II : Museum Administration

- a. Administrative framework
- b. Management policy and Museum Marketing
- c. Budget and financing - loans, funds, schemes
- d. Personnel, Security and Maintenance

Unit III : Storage, photography, modeling, packing for transportation

- a. Principles of storage
- b. Museum photography
- c. Museum modeling
- d. Packing for transportations

Unit IV : Education and Public Relations

- a. Educational and cultural responsibility of a museum
- b. Type of programmes and methods of education : for different age groups,
extension programmes— in house and out reach activities
- c. Nature of public relations in a museum - membership, publications etc.
- d. Museum as a public facility - functions, types of facilities etc.

Unit V: Research and Publications

- a. Studies of collections
- b. Publications - academics, guidebook, catalogues, brochures, research
publications, journals (news letters) etc.
- c. Press releases, mass media, T.V. and Video films, news stories, etc.
- d. Membership organizations for students, other organizations, agencies and
friends of museums.

*** Practicals include Academic Tour**

READING LIST

Paper Code: 89608 : Heritage Museum And Management - Public Relations, Educations, Research and Publication

1. Adams,G.D.1983 : *Museum Public Relations* . Nashville.
2. Adam,T.R.1939 : *The Museum and Popular Culture*. New York
3. Baxi, S.J. & : *Modern Museum*, New Delhi
V.P.Dwivedi 1973
4. Bedekar, V.H, 1995 : *New Museology for India*, New Delhi
5. Bicknell, S. & : *Museum Visitor Studies in the 90s*, London.
G. Farmelo, 1993
6. Boylan, P.J (ed). 1992: *Museums 2000: Politics, People, Professionals and Profit*. London.
7. Caulton, T. 1999 (re.) : *Hands-on Exhibitions*, London & NewYork
8. Edson,G. & D.Dean,2000 : *The Handbook for Museums*, London & NewYork
9. Fahy, A, (ed.) 1999 : *Collections Management* , London & NewYork
10. Fopp, M.A, 1997 : *Managing Museums and Galleries*, London & NewYork
11. Hein, G.E.(ed) 2000 : *Learning in the Museum* , London & NewYork
12. Hooper- Greenhill, E.(ed). 1989:*Initiatives in Museum Education*. London.
13. Hooper-Greenhill.E.1992: *Museums and the Shaping of Knowledge*. London.
14. Bochi,A & : *The World's Heritage - The Museums's Responsibilities*,
Valence, S.de. 1981. ICOM.
- 15 Karp,& Kreamer, C.M.& Lavine, S.D.(ed). 1992. *Museum and communities:
The Politics & Public Culture*. Washington.
16. Liston,S. (ed.) 2000 (re): *Museum Security and Protection*, ICOM, London
17. Lord, G,D. & B.Lord (eds) 1999 : *The Manual of Museum Planning* (2edn.) London
18. McLean, F, 1997 : *Marketing the Museum*, London & New York
19. Macdonald, S & G.Fyfe, 1999 : *Theorizing Museums*, Oxford
20. Moffat, H. & V. Wollard, 1999 : *Museum & Gallery Education*, London
21. Moor, K. (ed) 2000 (re.) : *Museum Management*, London & NewYork
22. Neustupny, J. 1968 : *Museum and Research*. Prague.
23. Oliver, R.N. (ed). 1971: *Museums and the Environment. A hand book for
Education*. New York.
24. Orna, E.1987. : *Information Policies for Museums*. Cambridge.
25. Orna, E.& C.Pettitt, 1998: *Information Management in Museums*. Hampshire: Gower.
26. Stone, P. G. & : *The Presented Past: Heritage Museums and Education*,
B.L. Molyneaux, 1994 London & NewYork
27. Talboys, G. 1996. : *Using Museums as an Educational Resource* . Ashgate
Publishing Limited.
28. Thomson, G. 1986. : *The Museum Environment*.London.
VanZoest, R (ed.) 1989 : *Generators of Culture: The Museum as a Stage*. Amsterdam.
29. Veal, F.R. 1983. : *Museum Public Relations*. Manscheste
30. Well, S.E. 1995 : *A Cabinet of Curiosities*, Washington & Landon
31. Woodhead, P&Stansfield, G. 1994. *Museum Studies*. Mansell.

Master in Conservation, Preservation and Heritage Management (MCPHM)

Third Semester

PAPER CODE : 89701

Title of the Paper : Principles Guidelines and Laws : National and International

Unit - I : Introduction

- a. Concept of Conservation
- b. Conservation as a multidisciplinary science.
- c. Theories, modern principles and guidelines .
- d. Conservation- approach ,attitude, professional ethics and scope of entrepreneurship, consciousness towards authenticity

Unit-II : Concept of Cultural Property

- a. Definition of cultural property and types
- b. Values, significance, concept of National Heritage.
- c. World Heritage Convention
- d. World Heritage Site

Unit-III : Principles and Guidelines

- a. International recommendations for the conservation of cultural property, the International Charters
- b. Principles and guidelines for conservation and preservation of monuments, sites and excavated remains in India
- c. International conventions, prevention of illicit import and exports
- d. Transfer of ownership of cultural property

Unit-IV : Laws and Regulations

- a. History of antiquarian laws in India and abroad
- b. The Indian Treasure Trove Act, 1878; land acquisition Act 1894. The Ancient Monuments and Archaeological Sites and remains Act 1904
- c. Ancient monuments and archaeological sites and remains Act 1958 and Rules 1959. The Antiquities Art treasure Act 1972. Export Protection Act 1986
- d. Social responsibility of Management/Organizations

Unit - V : Planning and Action

- a. Renovation and restoration of monuments and objects and surroundings,
- b. Reuse and Rehabilitation of sites, monuments and building
- c. Environment Protection and sustainable developments
- d. Strategy, planning and resources.

READING LIST

Paper Code 89701: Principles Guidelines and Laws : National and International

1. Allchin B. : *Conservation of Indian Heritage*, 1989 New Delhi.
2. ASI : *Archaeological Works Code*, New Delhi.
3. ASI : *Archaeological Remains: Monuments and Museums*, New Delhi.
4. Batra, N. L. ; *Heritage Conservation 1996*, New Delhi.
5. Biswas, S.S. : *Protecting the Culture Heritage*, New Delhi.
6. Brommelle, N.S.: *Conservation with in Historic Buildings*, London.
7. Cleere. H. : *Approaches to the Archaeological Heritage* 1984, Cambridge.
8. Cleere. H : *Archaeological Heritage Management in the Modern World*, London.
9. Erder Cevat : *Our Architectural Heritage from Consciousness to Conservation*. Paris, UNESCO.
10. Feilden, B.M. : *Management Guidelines for world cultural Heritage Sites*, Rome.
11. Feilden, B. : *Guidelines for Conservation*, New Delhi.
12. Gowda, K.S.R: *Urban and Regional Planning 1972*, University of Mysore.
13. Grover, R. : *Architects and Design Conservation in India*, Ahmedabad.
14. Grover, R. : *Architects and Design Restoration* , Ahmedabad.
15. Govt. of NCT : *Delhi Ancient and Historical Monuments and Archaeological sites and Remain Bill 2000 NCT*.
of Delhi
16. Iser, Y.R : *Challenge to our Cultural Heritage: Why Preserve the past*,
UNESCO.
17. INTACH : *Historic Towns and Heritage Zones*, New Delhi.
18. INTACH : *Historic Towns and Site Development*, New Delhi.
19. James Stuke : *Architecture in Conservation Managing development at Historic Sites*, London.
20. Kamalakar, G.Dr.: *Conservation, Preservation and Restoration Tradition Trends and Techniques*, Hyderabad.
21. Kambo, D.P. : *National Conservation Policy of India*, Delhi.
22. Menon, A.G.K: *Cultural Identity and Urban Development 1989*, New Delhi.
23. Nagar, S.L. : *Project Conservation and Preservation of Indian Monument*
New Delhi.
24. Pal, H.B. : *Plunder of Art 1992*, New Delhi.
25. Ramakrishnan, P.S: *Conserving the Sacred for biodiversity Management*, New Delhi.
26. S.S. Malik : *Elthical, Legal and Regulatory Aspect*, New Delhi.
27. Sheshari, A.K.: *Conservation of Monuments in India*, Delhi.
28. Shiva, V. : *Bio Diversity Conservation*, New Delhi.
29. Singh, Dr. A.P. : *Conservation and Museum Technique*, New Delhi.
30. Stolow, N. : *Conservation Standards for Works of Art*, UNESCO Genuva.
31. Thapar, B.K. : *Our Cultural Heritage 1992*, New Delhi.
32. Tokyo National: *International Symposium on the Conservation and
Research Institute Restoration of Cultural Property*,
for Cultural Propertus Tokyo National Research.
33. WAC-III : *Cultural Property Conservation and Public awareness IX*.
WAC- New Delhi.

Master in Conservation, Preservation and Heritage Management (MCPHM)

Third Semester

**PAPER CODE : 89703
(Practical Code: 751)***

Title of the Paper : Architectural, Engineering Technology, Nature and Use of Material

Unit-I : Architectural Technology

- a. Basic principle and concepts of architectural technology
- b. Architectural design and functional requirements and factors influencing architecture
- c. Architectural design and engineering systems
- d. The integration of various building and supports systems

Unit-II : Engineering Technology

- a. Basic Principles and concepts of construction engineering technology
- b. Interrelated nature of structures, construction and environmental system
- c. Structural forms and arches, slabs, plates, beams, curved surface structures
- d. Lateral forces and static and dynamic loads and structural technology

Unit-III : Structural Systems and Elements

- a. Sub structure : Foundation, walls, piers and columns
- b. Super structure I : Beams, arches, vaults, domes
- c. Super structure II : Brackets, Chhatris, Door, Windows, Balconies etc.
- d. Formwork : centering, scaffolding (wood and steel) trusses and frames, joints and joining

Unit-IV: Nature and Properties and specification of building Material

- a. Lime— types, manufacturing process, and uses
- b. Cement and concrete for external rendering, physical and chemical properties, permeability
- c. Stones
- d. Other building materials and finishes- wood, mud, clay etc.

Unit V: Usage of Material in Architecture

- a. History of use of architectural material
- b. Mortars used in architecture
- c. Structural material, timber—causes of decay etc.
- d. Decorative architectural material

*** Practicals include Site Visit**

READING LIST

Paper Code 89703: Architectural, Engineering Technology, Nature and Use of Material

1. W.B. McKay, - *Building Construction* Vol. I-IV.
2. R. Barry, - *Building Construction & Services* Vol. I-V.
3. Sushil Kumar - *Building Construction & Engineering*
4. Charanjit Shah - *Architects' Handbook*
5. Council of Architects - *Dicotomy of Architects* IIA
6. B.N. Dutta, - *Estimating and Costing of Civil Works & Specifications.*
7. CPWD - *Civil Engineering Handbook*
8. Neuferts Data of Building Design
9. Fletcher. B. - *History of Architecture*
10. Brown. P. - *Indian Architecture, Hindu, Buddhist & Islamic* Vol. I-II
11. Tadgell. C. - *The History of Architecture in India*
12. Ashen. C. - *Architecture of Mughal India*
13. Koch. Ebba - *Mughal Architecture*
14. Feildon B. - *Conservation of Historic Building*
15. Cooper I. - *Traditional Buildings of India*
16. Tillotson, G.H.R. - *The Tradition of Indian Architecture*
17. J. Henry Parker - *Classic Dictionary of Architecture* Vol. I-II
18. Celand, M. Roth - *Understanding Architecture*
19. Nath, R. - *Jharokha : An Illustrative Dictionary of Architectural Elements.*
20. Ashurst,J. - *Store Masonary*
- *Brick, Teracotta, Earth*
- *Mortar, Plaster, Rerders*
- *Metal*

Master in Conservation, Preservation and Heritage Management (MCPHM)

Third Semester

PAPER CODE : 89705

Title of the Paper : Heritage Planning, Regulation, Zoning and Management

Unit-I : Civilization and Settlements

- a. Urban and rural typology, locations, cultural and historical context
- b. Rise and development of urban planning
- c. Effects of Planned and unplanned development on historic settlement /areas
- d. Utopian concepts, moralistic and traditional planning

Unit-II : Planning parameters and Principles

- a. Principles- types, of planning -regional planning, socio-economic planning.
- b. Integrated Development Plan.
- c. Planning authorities.
- d. Urban design and housing.

Unit-III : Regulations and land use control

- a. Planning objectives, techniques and regulations
- b. Redevelopment, renewal and urbanism
- c. Zoning concept : density and area planning, transportation planning
- d. Legislative control (special areas, public land etc.)

Unit-IV: Project Management

- a. Project Feasibility
- b. Planning Strategy and objective
- c. Management systems and cost analysis
- d. Plan preparation and phase development

Unit-V : Economic Prospects and Potentials

- a. Funding, incentive and trade off
- b. Conservation, retrieval and renewal options
- c. Construction document
- d. Contract, supervision and management

READING LIST

Paper Code 89705: Heritage Planning, Regulation, Zoning and Management.

1. Datta, B - 1980, *Town Planning in Ancient India*. Munshiram, New Delhi
2. Mumford, L. - 1968, *The city in History*. Harcourt Butler. London.
3. Fieldien, B. - 1989, *Guidelines for Conservation*, INTACH, Delhi
4. Harrison, R . - 1994, *Manual of Heritage Management*, Butterworth Heinemann Oxford,
5. Cullen, G. - 1965, *Town Scape*, The Architectural Press London.
6. Croci, Giorgio - 1998, *Conservation and Structural Restoration of Architectural Heritage* Southampton: Computational Mechanics Publications
7. Gowda, K.S. Rame - 1972, *Urban and Regional Planning*, University of Mysore, Mysore.
8. Gallion, Arthur B. - 1998, *Urban Pattern City Planning*, CBS. Publishers & Distributors, New Delhi
9. Cohen, Nahoum - 1999, *Urban Conservation*, MIT Press, Cambridge
10. Pickard, Robert - 2001, *Management of Historic centers*, Spon Press, London
11. Cuthbert, Alexander R- 2003, *Designing cities : critical readings in urban design*, 2003, Blackwell Publishers U.K.
12. Isar, Yudhishtir Raj (ed.) - 1986, *The Challenge to our Cultural Heritage*, Paris
13. CRM. - Vol. 21. No. 5.1998
14. INTACH - 1996, *Process for Historic Site Development*; New Delhi
15. Pickard, Robert (ed.) - 2001, *Management of Historic Centers* London.
16. Greffe, Xavier - 2001, *Managing Our Cultural Heritage*. New Delhi
17. Grenville, Jane (ed.) - 1999, *Managing the Historic Rural* London
18. Chitty, Gill & Baker - 1999, *Managing Historic Sites and Buildings*. London
(David eds)
19. Cleere, Henry (ed.) - 1984, *Approaches to Archaeological Heritage*. New York
20. Eisner, Gallion - 1986, *The Urban Pattern* New Delhi.
21. Ravindran, K. T. - 1990, INTACH Cultural Heritage Casestudies. *The Ghats of Mathura and Vrindavan Proposals for Restoration*. New Delhi
22. IUCN - 1999, *Conservation and Development Plan of Lekhnath Municipality*. Nepal.

Master in Conservation, Preservation and Heritage Management (MCPHM)

Third Semester

**PAPER CODE : 89707
(Practical Code: 753)***

Title of the Paper : Survey, Inspection, Assessing Deterioration and Preparation of Status Reports

Unit - I : Factors effecting the monuments and buildings

- a. Definition of monument/historical buildings /archeological sites /historical remains
- b. Effect of Environment - temperature, humidity, rainfall and air pollution etc.
- c. Bio-deterioration - Micro-organism, insects, rodents etc.
- d. Human encroachments and urban Developments, vandalisam, agriculture growth. Humidity, dampness and other problems in historical buildings (natural and man made causes)

Unit II : Inspection and Survey of Ancient Buildings / Monuments

- a. Inspection of Historic buildings and structures/remains
- b. Introduction to structural classification, recordings, and photography and preparation of drawings
- c. Preparation of Assessment Reports
- d. Preparation of Status Reports indicating guidelines for conservation and its methodology

Unit - III : Structural Surveys, Recording and Photography

- a. Structural survey, architectural analysis and evaluation of available historical data
- b. Structural examination and assessment including foundation, interiors, structural section, elevation, roof and constructional technique
- c. Photography, photogrammetry, preparation of plans sections and elevations
- d. Aerial photography, landsat-imageries and photo interpretations

Unit IV: Documentation and technical study of material

- a. Tools of examination of works of Art/ Antiquity.
- b. U.V. Infra- Red, radiograply, X-rays
- c. Methods of analysis (chemical), carbon 14 dating. I.R. analysis
- d. Dating (history of Art), provenance, authentication, fakes and forgeries.

Unit - V : Basics of Financial Management

- a. Costing and Budgeting and annual and special repair estimate
- b. Tendering and contracting
- c. Schedule of planning and Monitoring - Management control System
- d. Infra-structural requirements and final approval of conservation work

*** Practicals include Surveying and VRI Training**

READING LIST

Paper Code 89707 : Survey, Inspection, Assessing Deterioration and Preparation of Status Reports

1. Agrawal, O. P. (ed.) : *Conservation in the Tropics*, Rome
2. Agrawal, O. P. & Shashi Dhawan (ed.) : *Bio-deterioration of Cultural Property*, New Delhi, 1991.
3. Allchin, B., F.R. Allchin & B. K. Thapar : *Conservation of the Indian Heritage*, New Delhi.
4. Andre, Jean Michel : *The Restorer's Handbook of Sculpture*, New York.
Ashurst, John & Nicola Ashurst: *Practical Building Conservation*, Vol. I. London.
5. Ashurst, John : *Conservation of Building and Decorative Stone*, Vol. I, Francies G. Dimes Oxford
6. Ashurst, John : *Conservation of Building and Decorative Stone*, Vol. 2, F. G. Dimes Oxford.
7. B. N. Dutta : *Estimating and costing in civil Engineering*.
8. Batra, N.L. : *Heritage Conservation, Preservation and Restoration of Monuments*, New Delhi.
9. Bahn Paul : *Archaeology Theories & Method and Practice*.
10. Brommelle, N. S : *Conservation within Historic Building*, London.
Garry Thomson and Perry Smith (eds.)
11. Campbel. B. James : *Introducing to remote sensing*.
12. Cleere, Henry (ed.) : *Approaches to the Archaeological Heritage*, Cambridge.
13. Cooper, Martin (ed. : *Laser Cleaning in Conservation*, Oxford.
14. Feilden, Bernard : *Conservation of Historic Buildings*, Oxford.
15. Feilden, Bernard : *Guidelines for Conservation A Technical Manual*, New Delhi
16. Henry, Cleere (ed.) : *Archaeological Heritage Management in the Modern World*, London and New York.
- 17 Hester, R. Thomas, Robert F. Heizer and John A. Graham : *Field Methods in Archaeology*, California
18. Horce, C. V., : *Materials for Conservation, Organic Consolidants, Adhesives and Coatings*.
19. Joukowsky, Martha : *A Complete Manual of Field Archaeology*, Oxford.
20. Lakshmana, Murthy, K.: *Structural Conservation of Monuments in South India*, Delhi.
21. Lang Janet & Andrew Middleton (ed.) : *Radiography of Cultural Material*, Oxford.
22. Marshall, John : *Conservation Manual*, Delhi.
23. McKee, Haeley J. (compiled by) : *Recording Historic Buildings*, Washington.
24. Paul J. Gibson and Clare. H. Power : *Introductory remote sensing*.
25. Rangwola, S. C : *Elements of Estimating and costing*, Anand.
26. Richard Harrison (ed.) : *Manual of Heritage Management*, Oxford.
27. Seshadri, A. K. : *Conservation of Monuments in India*, Delhi.
28. Singh, Gurcharan & Jagdish Singh: *Building Planning Designing and Scheduling*, Delhi.
29. Singh, Gurcharan & Subash Chander : *Civil Engnrieering Drawing*.
30. Singh, Gurcharan : *Building Materials*, Delhi.
31. Sykes Meredith H. : *Manual on Systems of Inventorying immovable Cultural Property*, UNESCO. 1984.
32. Chandra, Satish : *History of Architecture and Ancient Building Material in India*, TBI,2003

Master in Conservation, Preservation and Heritage Management (MCPHM)

Fourth Semester

**Paper Code : 89702
(Practical Code: 752)***

Title of the Paper : Conservation, Preservation and Restoration of Heritage components and Conservation technique

Unit - I : Ancient Monuments, Remains and Heritage Buildings

- a. Idea of shelter, pit dwelling, rock alignments, memorials, shrines, tanks and fortification
- b. Mediums of construction
- c. Functional aspects of earthen and timber architecture and its associated technology
- d. Deterioration, conservation, preservation and maintenance

Unit - II : Stone and Burnt Brick Structures, including rock cut specimens

- a. Rock cut, stone and Burnt Brick Architecture, use of building materials and technology in historical building
- b. Significance of stone/ brick architecture and rock cut structure
- c. Technology, deterioration, conservation, preservation and maintenance
- d. Review of Indian building technology with special reference to important buildings with case studies

Unit III : Historical Gardens, Cultural Landscapes and Archeological Sites

- a. Nature of Archaeological sites, landscapes
- b. Historical Settlements - Salient features, patterns etc.
- c. Heritage Complexes - concept, conservation and preservation
- d. Development of site historical landscape and restoration of natural and artificial surrounding

Unit - IV : Conservation Techniques

- a. Structural Consolidation and repairs Structural failures, and stresses and their patterns, Under pinning, rock bolting, filleting, jacketing, grouting etc.
- b. Temporary support, propping and strutting, reconstruction
- c. Foundation strengthening, nature of soil, failures, consolidation etc.
- d. Restoration and conservation of Architectural Decorative Elements like Inlay, stucco, tiles, glass and mirror work and field studies in conservation

Unit -V : Archaeological sites/Excavated Remains

- a. Nature of Archaeological sites/ excavated remains
- b. Documentation and field conservation measures and preservation of excavated sites. Spot preservation and site lab work .
- c. History of Archaeological conservation in India
- d. Salvage and transplantation of archaeological sites ,monuments etc.

*** Practicals include Site Visit**

READING LIST

Paper Code 89702: Conservation, Preservation and Restoration of Heritage Components and Conservation Technique

1. Agnew, No., 1997 : *Conservation of Ancient Sites on the Silk Road*, Los Angeles.
2. Ashurt, J. and F.G.Dimes, 1990 : *Conservation of Building and Decorative Stone*, Vol. 2, London.
3. Ashurt, J. and F.G. Dimes, 1998 : *Conservation of Building and Decorative Stone*, London
4. Ashurt, J. and N. Ashurt, 1988 : *Practical Building Conservation*, Vol. I :*Stone Masonery*, London
5. Batra, N.L., 1996 : *Heritage Conservation*, New Delhi.
6. Brommelle, N.S., G. Thomson and P. Smith, 1980 : *Conservation within Historic Buildings*, London
7. Buys, S and V. Oakley, 1993 : *The Conservation and Restoration of Ceramics*, London
8. Carter, D & A.K. Walker,1999: *Care and Conservation of Natural History Collections*, Oxford.
9. Collins, C. 1995 : *The Care and Conservation of Palaentological Materials*, London.
10. Feilden, M.B., 1989 : *Guidelines for Conservation*, INTACH, New Delhi.
11. Feilden, M.B., 1989 : *Guidelines for Conservation : a technical manual*, INTACH, New Delhi.
12. Feilden, M.B., 1996 (re.) : *Conservation of Historic Buildings*, Oxford.
13. Feilden, B.M. & J.Jokilehto, (n.d.) : *Management Guideline for World Cultural Heritage Sites*, UNESCO.
14. Ghose, A., 1989 : *Conservation and Restoration of Cultural Heritage*, Delhi.
15. Grenville, J. (ed.), 1999 : *Managing the Historic Rural Landscape*, London and New York.
16. Harrison, R, (ed.) : *Manual of Heritage Management*, London.
17. Hawie, F.M., 1992 : *The Care and Conservation of Geological Material : Menerals, Rocks, Meteorites and Lunarfinds*, London.
18. Horie, C.V., 1987 : *Materials, for Conservation*, Oxford.
19. INTACH, 1996 : *Process for Historic Site Development*, New Delhi.
20. Kuhn, H., 1968 : *Conservation and Restoration of Works of Art and Antiquities* Vol. 1, London.
21. Larsen, K.E. and N. Marstein, 2000: *Conservation of Historic Tember Structures*, Oxford.
22. Lindley, P. (ed.) 1997 : *Sculpture Conservation*, London.
23. Marshall, Sir J. 1993 (re.) : *Conservation Mannual*, Varanasi.
24. Mc Kee, H.J., 1970 : *Recordings Historic Buildings*, Washington.
25. Menon, A.G.K & B.K. Thapar 1998: *Historic Towns and Heritage Zones*, New Delhi.
26. Murthy, K.L., 1997 : *Structural Conservation of Monuments of South India*, Delhi.
27. Person, C., 1987 : *Conservation Marine Archaeological Objects*, London
28. Price, N.S., et.al. (eds.).1996 : *Historical and Philosophical Issues in the Conservation of Cultural Heritage*, Los Angeles.
29. Selwitz, Charles, 1992 : *Epoxy Resins in stone Conservation*, Los Angeles.
30. Striegel, M.F. and J. Hill, 1996 : *Scientific Tools for Conservation*, Los Angeles.
31. Warren, J. 1999 : *Conservation of Earth Structures*, London.

Master in Conservation, Preservation and Heritage Management (MCPHM)

Fourth Semester

**Paper Code : 89704
(Practical Code: 754)***

Title of the Paper : Chemical Treatment and Preservation of Painting, Manuscripts, Organic and Inorganic Materials

Unit-I : Classification of materials and environmental chemistry

- a. Organic and Inorganic materials - composition, bonding
- b. Chemical and physical properties of material
- c. Behaviour of material towards environmental factors
- d. Mechanism and reaction in deterioration process .

Unit - II : Materials and General Treatment Techniques

- a. Introduction to the chemical treatment, restoration, preservation
- b. Pre-requisites of chemical treatment and use of different reagents and chemical solvents
- c. Identifying agents of decay, damage etc.
- d. Preservation techniques and safe packing.

Unit - III : Organic materials - paper, birch-bark, palm leaves, textile, bone, ivory etc.

- a. Nature and chemical composition of material and causes of decay
- b. Treatment in the field
- c. Analysis and treatment in the laboratory
- d. Repairs and consolidation

Unit - IV : Inorganic, metallic and siliceous materials - Metals - copper, bronze, brass iron, lead, gold, silver, alloys stone clay etc.

- a. Chemical composition of metal/alloys and siliceous materials
- b. Causes of decay, corrosion and damage
- c. Treatment in the field and consolidation techniques
- d. Treatment in the lab

Unit - V: Rock Paintings , Murals and Illustrated Manuscripts

- a. Rock Paintings, Murals and other paintings ; characteristics and techniques of ground plan and treatment and restoration of rock surface paintings - Ajanta, Ellora, Bagh caves, Brihadeshwara temple etc.
- b. Paintings, illustrated manuscripts - detecting the damage and treatment and restoration, consolidation and preservation
- c. Environmental setting and air pollutants and their impacts on materials
- d. Study of colours, use of pigments, scope of intervention

*** Practicals include Site Visit**

READING LIST

Paper Code 89704: Chemical Treatment and Preservation of Painting Manuscripts, Organic and Inorganic Materials.

1. Florian, Kronkright Norton : *The Conservation of Artifacts Made from Plant Materials*– 1990, GCI
2. Jhon Marshal : *Conservation Mannual* – 1973, New Delhi
3. Susan Buys Victoria Oakley : *The Conservation and Restoration of Ceramics* - 1993 London
4. Marianne Webb : *Lacquer : Technology and Conservation* –2000, London
5. John Ashurst and Francis G. Dimes : *Conservation of Building and Decorative Stone*-1990, London
6. David Carter & Annette,K. Walker: *Care & Conservation of Natural History Collection*-1999, Oxford
7. Hermann Kuhn : *Conservation and Restoration of Works of Art and Antiquities* – 1986, London.
8. Frank M. Howie : *The Care and Conservation of Geological Material*-1992, London.
9. John Warren : *Conservation of Earth Structures* – 1999. London
10. Colin Pearson : *Conservation of Marine Archaeological Objects*-1987, London.
11. Chris Collins : *The Care and Conservation of Palaeontological Material* – 1995, London
12. Cooper Marlin : *Laser Cleaning* – 1998, Oxford
13. G. Kamalakar : *Conservation, Preservation and Restoration Traditions, Trends and Techniques* – 1995 Hydreabad.
14. C.V. Horie : *Materials for Conservation* – 1997, London.
15. Scott, Pondany & Considine : *Ancient and Historic Metals* – 1991, Symposium G.E.I
16. V.Dorge & F.C. Howlett : *Painted Wood: History and Conservation* – 1994, Symposium G.E.I.
17. John Warren : *Conservation of Brick*- 1999, New Delhi.
18. Roy Newton & Sandra Davison: *Conservation of Glass* – 1989, London.
19. H. J. Plenderleith : *The Conservation of Antiquities and Works of Art*-1989, London.
20. Naresh R. Shah and Arun Arya: *Studies on Some Fungal Biodeteriogens*-2000, New Delhi.

Master in Conservation, Preservation and Heritage Management (MCPHM)

Fourth Semester

Paper Code : 89706

Title of the Paper : Public Awareness/Cultural Resource Management

Unit - I : Interpretation

- a. Levels of meanings - the functionalist, Structuralist Approaches and Semiotic Analysis
- b. Collective interpretation methods
- c. The interpretation brief
- d. Target audience - identifying user needs

Unit - II : Communication modes and tools

- a. Introduction to mass media including popular and traditions
- b. Audio/Video print The written word
- c. Information technology and the World Wide Web, Multi media and computer reconstructions
- d. Preparation of comprehensive communication strategy, project, management plans and materials

Unit - III : Public Awareness and Agencies

- a. Agencies : Govt. and Non-Government Organizations, National and International Agencies
- b. Awareness about heritage, non-formal education, exhibitions, publications
- c. Local community involvement
- d. Role of individuals and professionals

Unit - IV : Cultural Resource Management

- a. Site and Surroundings Management and maintenance
- b. Visitors Management, Human Resource Development and Management
- c. Information Management
- d. Disaster management and World Heritage site management

Unit - V : Monitoring and Evaluation

- a. Results based management and project monitoring plans
- b. Evaluation – Tools
- c. Evaluation – Collective Analysis and Inferences

d. Project Resource Management

READING LIST

Paper Code 89706 : Public Awareness/Cultural Resource Management

1. Macdonald, Sharon : The Politics of Display: Museums Science, Culture, London 1999.
2. Karp, Ivan : Exhibiting Culture: The Poetics and Politics of Museum Display, Washington, D.C 1991.
3. Hooper, Eilean : Museums and the Shaping of Knowledge, London, 1999.
4. Barringer, Tim : Colonialism and the object: Empire, Material Culture and the Museum, London 1998
5. Belcher, Michael : Exhibitions in Museums, Smithsonian Washington, D.C. 1991
6. Bicknell, Sandra : Museum Visitor Studies in the 90s, Science Museum, London, 1993
7. Pearson, Anne : The Big Foot: Museums and Children with learning difficulties, British Museum, London 1994
8. Hooper, Eilean : The Education Role of the Museum, London, 1999.
9. Stone, Peter, G : Presented Past: Heritage, Museum and education , London 1994
10. Pearce, Susan, M. : Experiencing Material Culture in Western World, Leicester, London, 1997
11. Kavanagh, Gaynor : Museum Provision and Professional, London 1999.
12. Hein, George E : Learning in the Museum, London 2000
13. Dean, David : Museum Exhibition : Theory and Practice, London 1996
14. Hooper, Eilean : Museum , Media, Message, London 1999
15. Thomson, Gargh, : Museum, Environment, London, 1997
16. Orna , Eligzbeth : Information Management in Museum, Gower, U.S.A, 1998
17. Pearce, Susan M : Archaeological Curatorship, Leicester, London, 1996
18. Kavanagh, Gaynor : History Curatorship, Leicester, London 1990
19. Well, Stephen E : Rethinking the Museum : And other Meditations, Smithsonian, Washington 1990
20. Walsh, Kevin : The Representation of the past : Museum and heritage in the post modern world, London 1997
21. Thomas, Rhodri : The Hospitality Industry, Tourism and Europe: Perspective on Policies, London, 1996
22. Owen, Garden : Accounting for Hospitality Tourism & Leisure, London 1998
23. Inkpen, Gary : Information Technology for Travel and Tourism, London 1998
24. Sharma, K.: : Tourism and Hospitality, New Delhi, 2000
25. Fennell, David, A : Ecotourism an Introduction, London, 1999
26. Pearce, Douglas, G. : Contemporary Issues in Tourism Development, London, 1999
27. Tribe, John : Environmental Management for Rural Tourism and Recreation London 2000
28. Toner, J.P : Leisure and Ancient Rome, London 1998
29. Shackley, Myra : Visitor Management : Case study from World Heritage Sites Butterworth, Oxford 1998
30. Lee Ross Darren : HRM in Tourism & Hospitality: International Perspectives on small to medium sized Enterprises, London 1999
31. Hall, C.Micahel : Sustainable Tourism : A Geographical Perspective, London 1998
32. Clift, Stephen : Tourism and Health : Risks, Research and Responses, London 1997
33. Sethi Praveen : Tourism for the New Millennium, New Delhi 1999
34. Aylin Orbasli : Tourism in Historic towns (Urban Conservation & Heritage

Management) London 2000

M Master in Conservation, Preservation and Heritage Management (MCPHM)

Fourth Semester

Paper Code : 89708

Title of the Paper : Dissertation/Report Writing

Student, research work

Unit – I : Research basis, need justification

Unit - II : Synopsis development, aim, objectives, scope of research etc.

Unit - III : Prefinal presentations/seminars etc.

Unit – IV : Final Presentation