

RABINDRA BHARATI UNIVERSITY
PROPOSED PG (M.A IN MUSEOLOGY & CONSERVATION)
CBCS STRUCTURE, 2024-25
DEPT OF MUSEOLOGY

Semester I			50x5				250
Core Course	Credit class	Credit Tutorial	Total	Elective Course	Credit class	Credit Tutorial	Total
CC 1.1 Introduction to museums & Museology	4	1	5				5
CC 1.2 Museum Acquisition & Documentation	4	1	5				5
CC 1.3 Conservation of Cultural Property I (Introduction)	4	1	5				5
CC 1.4 Conservation of Cultural Property II (Museum environment)	4	1	5				5
CC 1.5 Museum applications I (Practical)	4	1	5				5
Semester II			50x5				250
CC 2.1 Museum Interpretation & Education	4	1	5				5
CC 2.2 Museum Exhibition & Communication	4	1	5				5
CC 2.3 Conservation of Cultural Property III (Inorganic)	4	1	5				5
CC 2.4 Conservation of Cultural Property IV (Organic)	4	1	5				5
CC 2.5 Museum Applications II (Practical)	4	1	5				5

Semester III			50x5				250
CC 3.1 Museum management, security & legislations	4	1	5				5
CC 3.2 Conservation of Cultural Property V (Organic)	4	1	5				5
CC 3.3 Introduction to Indian Art	4	1	5				5
				CEC 3.1 Introduction to: Archaeology I/ Anthropology I	4	1	5
				CEC 3.2 Introduction to: Archaeology II/ Anthropology II	4	1	5
Semester IV							
CC 4.1 Master's Thesis and reports	4	1	5				5
				CEC 4.1 Introduction to: Archaeology III/ Anthropology III	4	1	5
				CEC 4.2 Introduction to: Archaeology IV/ Anthropology IV	4	1	5
				OEC 4.1 Heritage Management I/ Western Art I/ Conservation of paintings I/ Conservation of Archival Materials I	4	1	5
				OEC 4.2 Heritage Management II/ Western Art II/ Conservation of paintings II/ Conservation of Archival Materials II	4	1	5

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SEMESTER I

C.C. 1.1 INTRODUCTION TO MUSEUMS & MUSEOLOGY

- Heritage and Museums
- Museum definitions (ICOM and AAM)
- ICOM Code of Museum Ethics
- History of museums -national and international
- Terms & Nomenclatures
- Types of museums with examples
- New Museology, ecomuseums, community or participatory museums
- Concepts of Subaltern Museology, Critical Museology, Reflexive Museology, Metamuseology, Neuromuseology, Digital Museology
- Museality, Musealization, Museography & Museums
- Museums and Cultural Identity
- Decolonizing and indigenization of museums and Postmuseums
- Museums of the future
- Eminent Museologists : Theoretical & Operational (William Jones, John Anderson, Rakhaldas Banerjee, John Marshall, Grace Morley, Arthur Hazelius, Nathaniel Wallich, John Kinrad, Zbynek Zbyslav Stransky, V H Bedekar, Saroj Ghosh, Eileen Hooper Greenhill) and Museums (Indian Museum, National Museum, Government Museum (Chennai), Rabindra Bharati Museum, Science City, Victoria Memorial, Partition Museum, CSMVS, Salarjung Museum, Museum of Man, Museum of Illusions, National Crafts Museum)

Selected reading list:

- Romila Thapar, *Indian Culture as Heritage*, Alpha Book Com, 2019
- DP Ghosh, *Studies in Museum and Museology*, Indian Publications, Calcutta, 1968
- Kishore Basa, *Multiple Heritage: Role of Specialised Museums in India*, Serials Pub., 2010
- Stephen Weil, *Making Museums Matter*, Smithsonian Books, 2002
- Edward P Alexander, Mary Alexander, *Museums in Motion*, Altamira Press, 2007
- Timothy Ambrose & Crispin Paine, *Museum Basics*, London Routledge, 2003
- Anupama Bhatnagar, *Museum, Museology and New Museology*, Sundeep Prakashan, 1999
- Chandra, Keshaw, *Evolutions of Museums and Museology*, Writers World, New Delhi, 2023
- Nina Simon, *The Participatory Museum*, Museum 2.0, 2010
- Francois Mairesse, *Dictionary of Museology*, Routledge, 2023
- Amy Lonetree, *Decolonizing Museums*, University of North Carolina Press, 2012
- Sharon Macdonald, *A Companion to Museum Studies*, Willey, 2008
- *Studies in Museology*, Journals published by the Department of Museology, M.S. University Vadodara
- Alok Tripathi, *Museum Studies*, Sharada Publishing, 2012
- N R Banerjee, *Museum and Cultural Heritage in India*, Agam Kala Prakashan, 1990
- Sahana Singh, *Revisiting the Educational Heritage of India*, Vitasta Publishing, 2023
- Peter Woodhead & Geoffrey Stansfield, *Key Guide to Information Sources in Museum Studies*, 1994
- Peter Vergo, *The New Museology*, Reaktion Books, 1989
- Kevin W. Walsh, *The Representation of the Past: Museums and Heritage in the Postmodern World*, Routledge, 1992
- Karp, Kreamer, Lavine, *Museums and Communities: The Politics of Public Culture*, Smithsonian, 1992
- Tony Bennett, *The Birth of the Museum: History, Theory, Politics*, Routledge, 1995

- Gerard Corsane, *Heritage, Museums and Galleries: An Introductory Reader*, Psychology Press, 2005
- Andrea Witcomb, *Re-imagining the Museum: Beyond the Mausoleum*, Psychology Press, 2003
- Agrawal, Usha, *Museums in India – A Directory*, Aryan Books International, 2000
- Gail Anderson, *Historical and Contemporary Perspectives on the Paradigm Shift*, Altamira, 2004
- Simon Knell, Macleod, Watson, *Museum Revolutions*, Routledge, 2007
- Peter Davis, *Ecomuseums: A Sense of Place*, A&C Black, 2011
- John J. Riemer and Bernadette G. Callery, *Collaborative Access to Virtual Museum*, Routledge, 2005
- Mitra, Baisakhi, *The Enterprising Museum: An Indian Approach*, Kreation, 2017
- Mahua Chakrabarti, *Museums of India*, NBT India, 2016
- Sanjay Kumar, *Asian Museums and Museology*, World Heritage Inc, 2018
- John H Falk, *Identity and the Museum Visitor Experience*, Routledge, 2012
- Lois H Silverman, *The Social Work of Museums*, Routledge, 2009
- Ameerza Zarrin Farha, *Safeguarding India's Intangible Heritage: Custodians of Culture*, Gyan Books,

C.C. 1.2 MUSEUM ACQUISITION & DOCUMENTATION

- Museum Acquisition: History, Significance and Modes of collection
- Collection Theory
- Accessioning – CIDOC, Object ID, Digital documentation vs Physical documentation
- Temporary registration, Cataloguing, Marking, Indexing and Numbering system
- Object Register, Movement Register
- Audio-Visual Documentation – Tangible & Intangible heritage
- Archival documentation
- Art Purchase Committee
- Reactivating an abandoned or incomplete documentation system
- IT in museums – Computerising and standardisation of metadata, Jatan software, Artificial Intelligence in Museums.
- Problems of collection- copies, forgeries, replicas, and reproductions. Export and import of collections
- Restitution and repatriation of cultural properties
- Carbon-dating
- Visible storage concept

Selected reading list:

- T. Ambrose & Crispin Paine, *Museum Basics*, London Routledge, 2003
- Dorothy H. Dudley and Irma Bezold Wilkinson, *Museum Registration Methods*, AAM, 1979
- Rebecca A Buck, Jean Gilmore, *Museum Registration Methods*, AAM, 2010
- Anil Roy Choudhury, *Art Museum Documentation and Practical Handling*, Choudhury & Choudhury, 1964
- Shilpi Roy, *Museum Documentation: A Potent Tool for Collection Management*, Agam Kala Prakashan, 2018
- Richard B. Light D. Andrew Roberts Jennifer D. Stewart, *Museum Documentation Systems*, Butterworth-Heinemann, 1986
- David Andrew Roberts, *Planning the Documentation of Museum Collections*, Museum Documentation Association, 1985
- John E Simmons & Toni M Kiser, *Museum Registration Methods*, Rowman & Littlefield, 2020
- Bhujang Ramrao Bobade & Omshiva Ligade, *Museums: A New Era of Technology*, BR Publishing Corp. 2017

C.C. 1.3 CONSERVATION OF CULTURAL PROPERTY I (Introduction)

- History and development of conservation of cultural property in India
- Definitions and terminologies of Conservation, Preservation & Restoration
- Ethics of Conservation
- Materials and classification of cultural property: Tangible & Intangible
- Introduction to basic Chemistry-Acid, Alkali, Salts, Elements and Compounds
- Chemicals & equipment for conservation

- Setting up a museum laboratory with infrastructure
- Laboratory Documentation/ Condition Survey
- Scientific techniques involved in chemical and physical investigation of materials
- Preservation of sound recordings

Selected reading list:

- Chris Caple, *Preventive Conservation in Museums*, Routledge, 2011
- A.P. Singh, *Conservation and Museum Techniques*, Agam Kala Prakashan, 2018
- Lisa Elkin and Christopher A. Norris, *Preventive Conservation: Collections Storage*, AIC, 2019
- Szczepanowska, Hanna M, *Conservation of Cultural Heritage: Key Principles and Approaches*, Routledge, London, 2013
- *Canadian Conservation Institute Notes*, Conservation, and preservation publications
- Miriam Clavier, *Preserving What is Valued: Museums, Conservation, and First Nations*, UBC press, Canada, 2002
- Suzanne Keene, *Managing Conservation in Museums*, Butterworth – Heinemann, London, 1996 and 2002
- Kennis Kim, *Conserving, Preserving, and Restoring Your Heritage: A Professional's Advice*, Dundurn, 2010

C.C. 1.4 CONSERVATION OF CULTURAL PROPERTY II (Museum Environment)

- Museum Environment (macro and micro environment)
- Study of status of RH, temperature and light in gallery and museum storage
- Environmental monitoring and management/ climate control in museum
- Effect of pollutions in gallery, store, off-site.
- Museum Conservation Guidelines: Green Protocol, ICOM-CC, IIC statements on sustainability and climate change, AICCM, ASHRAE, AIC
- Pest, moulds, and fungi- identification, understanding biological causes of deterioration
- Preventive conservation: Planning and implementation. IPM
- Environmental monitoring: Basic kits and interpretation of results
- Handling, packing and transportation of different kinds of objects: materials & methods
- Disaster preparedness for museum collections in storage and display

Selected reading list:

- Cassar May, *Environmental Management – Guidelines for museum and galleries*, Routledge, 2013
- Ault, Janeen Renee, *Environmental Requirements for Museums*, University of Wisconsin--Madison, 2000
- Ambrose, Timothy & Paine, Crispin, *Museum Basics*, Hoboken: Taylor and Francis, 2012.
- Thompson, Gary, *The Museum Environment*, Oxford: Butterworth Heinemann in association with The International Institute for Conservation of Historic and Artistic Works, 1986
- UNESCO, *The Conservation of Cultural Properties with Special Reference to the Tropical Countries*
- Knell, Simon, *Care of Collections*, Routledge, 1994
- David Saunders, *Museum Lighting: A Guide for Conservators and Curators*, Getty Pub., Los Angeles, 2020
- Jonathan Ashley, Smith Andreas, Burmester Melanie Eibl, *Climate for Collections - Standards and Uncertainties*, Archetype Publication, 2013

C.C. 1.5 MUSEUM APPLICATIONS (PRACTICAL)

Museology:

- Catalogue Card
- Object Numbering
- Working with Windows OS
- Digital documentation and image management
- Case study of any museum

Conservation:

- Lux meter, Thermohydrograph and Vernier Callipers

- Laboratory Documentation
- Environmental monitoring of museum galleries
- Regeneration of silica gel
- Making thymol strips
- Identification: fungus/insect/deteriorating symptoms

SEMESTER II

C.C. 2.1 MUSEUM INTERPRETATION AND EDUCATION

Theories of Interpretation:

- Freeman Tilden: *Interpreting Our Heritage*, 1957
- Sam Ham: *Environmental Interpretation: A Practical Guide for People with Big Ideas and Small Budgets*, 1993
- Pine and Gilmore: *Experience Theory*, 1999
- Larry Beck & Ted Cable: *Interpretation for the 21st Century*, 2002
- First person vs Second person vs Third person interpretation in museums
- Importance of storytelling in museum interpretation
- Digital media and museum learning

Education

- Learning Theory – Behaviourism, Cognitivism, Constructivism, Humanism, Connectivism
- Human Development and Learning -- Maslow Hierarchy of Needs
- Kolbe- Experimental Learning Theory
- Extension, In-house and outreach program
- Museum as a vehicle of non-formal education
- Connecting programming with school curriculum
- Inclusive Museum and community engagement
- Art education through museums

Selected reading list:

- Greenhill, Eileen Hooper, *The Educational Role of the Museum*, Routledge publications, 1999.
- Lord, Barry, *The Manual of Museum Learning*, Rowman & Littlefield publishers, 2007.
- Hein, George E, *Learning in the Museum*, Routledge publications, 2002.
- Talboys, Graeme K, *Museum Educator's Handbook*, Ashgate, 2005.
- Burnham, Rika & Elliott Kai-Kee, *Teaching in the Art Museum: Interpretation as Experience*, Getty pub., 2011.
- Nardi, Emma & Angelin Cinzia, *Best Practice 4: A Tool to Improve Museum Education Internationally*, CECA, ICOM, 2015.
- Johnson Anna, Huber Kimberly A., Cutler Nancy, Bingmann Melissa & Grove Tim, *The Museum Educator's Manual: Educators Share Successful Techniques*, Rowman & Littlefield, 2017.
- Eileen Hooper-Greenhill, *Museums and the Shaping of Knowledge*, Routledge, 1992
- Sharon E. Shaffer, *Museums, Children and Social Action: Past, Present and Future*, Routledge Taylor and Francis Group, 2023

C.C. 2.2 MUSEUM EXHIBITION AND COMMUNICATION

Museum Exhibition

- General Principles of museum exhibition
- Types of museum exhibition: Original & fabricated, static/participatory/interactive, object oriented, concept oriented, contextual, comparative, natural, synthetic, Didactic, special, thematic /Integral /Geographical /Chronological /Travelling /Permanent/ Temporary/ Circulating/Mobile
- Organising Exhibitions (National and International)
- Universal designing principles
- Multisensory exhibition designing and immersive experiences
- Display furniture and fixtures: showcases, mounts, pedestals, panels, stands.

- Exhibition Planning: Core committee, Curatorial team, Education team, Design team, audience research, research content development, Detailed Project Report (DPR), budgeting, timeline
- Exhibition Designing: Spatial planning, visuals, interactives, fabrication & installation
 - Methods of display (special emphasis on new technologies, etc.)
 - Exhibition Evaluation: Front-end, formative, summative, review & correction.
 - Inauguration of exhibition.
- Visual aids and its effect in communication: Models, charts, graphs, photograph, tableaux, diorama/ habitat group, people-movers.
- Audio-visual aids: film/ video/documentaries, computer graphics, animation, audio guides, mobile guide, virtual reality
- Museum lighting

Museum Communication:

- Museum Visitors: Classification of visitors, Behavioural and visitor study
- Visitor circulation: Directional, suggestive, random
- Museum labels: Types, materials, language, orientation, evaluation (Fry test)
- Communicative Programs for the public- Guided tours and talks, discovery rooms, children's corner, loan kits, teachers' training programmes, demonstrations, concerts and plays, special lectures, seminar, and workshops.
- Museum publications: statutes, mission and vision statements, cards, folders, monographs, bulletins, guidebooks, catalogues, annual reports
- Museum and media: Publicity, Public Relations and Advertising. Press releases and conferences. Social media communication: Facebook, Whatsapp, Twitter, Instagram, blogging
- Best practices in interpretation and communications from national and international museums

Selected reading list:

- Polly McKenna-Cress, *Creating Exhibitions: Collaboration in the Planning, Development, and Design of Innovative Experiences*, Wiley, 2013
- Barry Lord, *The Manual of Museum Exhibition*, Altamira, 2001
- Beverly Serrell, *Exhibit Labels*, Altamira Press, 1996
- John H. Falk, Lynn D. Dierking, *Learning from Museums: Visitor Experiences & The Making of Meaning*, Altamira Press, UK, 2000
- Lisa C. Roberts, *From Knowledge to Narrative: Educators & The Changing Museum*, Smithsonian Institution Press, 1997
- Ivan Karp & Steven Lavine, *Exhibiting Cultures: The Poetics and Politics of Museum Display*, Smithsonian Books, 1991
- Greenhill, Eilean Hooper, *Museums and Their Visitors*, Routledge publications, 2013
- Beverly Serrel, *Exhibit Labels: An Interpretive Approach*, Rowman and Littlefield, 1996
- Foundation de France, International Committee of Museums (ICOM), *Museums Without Barriers: A New Deal For the Disabled People*, Routledge publications, 2013.
- Lord, Barry and Gail Dexter Lord, *The Manual of Museum Exhibitions*, Rowman & Littlefield publishers, 2002
- Dean, David, *Museum Exhibition: Theory and Practice*, Routledge publications, 2002
- Bogle Elizabeth, *Museum Exhibition Planning and Design*, Altamira Press, 2013
- Saunders, David, *Museum Lighting: A Guide for Conservators and Curators*, Getty Pub., Los Angeles, 2020
- T. Ambrose & Crispin Paine, *Museum Basics*, London Routledge, 2003
- AAM, *The Accessible Museum: Model programs of accessibility for disabled and older people*, 1993

C.C. 2.3 CONSERVATION OF CULTURAL PROPERTY III (INORGANIC)

- Stone: Composition, characteristics, and types of stones used in museum objects and buildings; symptoms and causes of deterioration, desalination and cleaning, repair of broken stone objects, consolidation, protection of stone monuments (Konark and Taj Mahal) and heritage buildings
- Conservation of extramural collection
- Metal: Characters and types of metals found in museums, technique of casting and minting coins, symptoms and causes of deterioration of metal objects (gold, silver, copper, bronze, lead, iron etc.), care and maintenance of metals, conservation of metals and coins.
- Glass: Structure and Composition, Obsidian Hydration dating, Devitrification, symptoms and causes of deterioration, Preventive care, maintenance, and Remedial conservation
- Ceramics and Terracotta: Structure and composition, Preparation of clay and firing process, symptoms and causes of deterioration, preventive and remedial conservation, Reconstruction of broken pottery.

Selected Reading list:

- Lyndsie Selwin, *Metals and Corrosion A Handbook for the Conservation Professional*, Canadian Conservation Institute, 2004
- *Corrosion Inhibitors in Conservation: The Proceedings of the conference held by UKIC in association with the Museum of London*, London 1985.
- Plenderleith H.J. and Werner A.E.A., *The Conservation of Antiquities and Works of Art*, Oxford University press, New York, 1979
- Alison Henry, *Stone Conservation: Principles and Practice*, Routledge, 2006.
- Anuradha V Kumar, *Conservation of Building Stones*, Sandeep Prakashan, 2002
- Sandra Davison, R.G. Newton, *Conservation and Restoration of Glass*, Routledge, 2003
- Susan Buys, Victoria Oakley, *Conservation and Restoration of Ceramics*, Butterworth- Heinemann, 1994
- *Practical Building Conservation: Earth, Brick and Terracotta*, Historic England, Routledge, 2015
- David Scott, Jerry Podany, Considine, *Ancient & Historic Metals: Conservation & Scientific Research*, Getty, 1995

C.C. 2.4 CONSERVATION OF CULTURAL PROPERTY IV (ORGANIC)

- Wood: Structure and composition, symptoms and causes of deterioration, preservation and conservation, conservation of polychrome wood, waterlogged wood, and wooden furniture.
- Textile: Structure and composition, weaving pattern, stitches used in embroidery, Agents and symptoms of deterioration of textiles, Preservation and conservation, storage and display techniques for three dimensional and flat textiles.
- Paper: Structure and composition, symptoms and causes of deterioration, preservation, and conservation
- Manuscripts: Structure and composition, symptoms and causes of deterioration, preservation, and conservation
- Skin, hide and leather: structure and composition, symptoms and causes of deterioration, preservation, and conservation

Selected reading list:

- Kim Kennis, *Conserving, Preserving, and Restoring Your Heritage: A Professional's Advice*, Library and archives Canada cataloguing publication, 2013

- *Conservation of Papers and Textiles*, National Research Institute of Cultural Heritage (South Korea), 2012
- Fin, Johannes Karl, *Chemicals and Methods for Conservation and Restoration: Paintings, Textiles*, Scrivenier publications, 2017
- Petherbridge Guy, *Conservation of Library and Archive Materials and the Graphic Arts*, Butterworth pub., 2013
- Plenderleith H.J. and Werner A.E.A., *The Conservation of Antiquities and Works of Art*, OUP, New York, 1979
- OP Agarwal, *Care and Preservation of Museum Objects*, NRLC, New Delhi, 1977
- H Kuhn, *Conservation and Restoration of Works of Art and Antiquities*, London: Butterworth's pub, 1986
- Agrawal, O P (ed.), *Conservation in the Tropics*, Rome: International Centre for Conservation; New Delhi: In collaboration with the Laboratory, 1972
- Kharbade, B.V. & S.K. Bhatia, *Preventive Conservation of Information Materials*, 2005
- OP Agrawal, *Conservation of Manuscripts and Paintings of South-east Asia*. Butterworths, 1984
- Balazsy-Timar, Agnes & Dinah Eastop. *Chemical Principles of Textile Conservation*. Routledge, Repub. 2020
- Sheila Landi, *The Textile Conservator's Manual*, Routledge, Republished in 1997
- A. Unger, Arno Schniewind, W. Unger, *Conservation of Wood Artifacts: A Handbook*, Springer, 2010
- Marion Kite and Roy Thomson, *Conservation of Leather and Related Materials*, Routledge, 2006

C.C. 2.5 MUSEUM APPLICATIONS II (Practical)

- Gallery planning for exhibition (RBM/BITM)
- Poster/ Folder
- Working with MS- Word, Excel, PowerPoint
- Web design formatting
- Making Tuxedo Box for museum storage
- Practical Training/ Internship in Conservation (NRLC)

SEMESTER III

C.C. 3.1 MUSEUM MANAGEMENT, SECURITY AND LEGISLATIONS

Museum Management:

- Collection Management:
- Museum Administration: Structural set up, control; governing bodies and other committees; tender, contract, MOU, etc
- Personnel Management - Human resource planning; personnel pattern; duties and responsibilities; eligibility and recruitment; volunteers; part-timers, etc. Role of Curator. Role of training in Museology.
- Financial Management – Financial strategy; grant writing, fund planning; fund raising; grants; corporate sponsorship, including ethics of corporate sponsorship, audit.
- Marketing Management - Non-profit marketing principles; SWOT and PEST Analysis; market survey and research; short, mid and long term planning, forward planning, museum shop; museum tourism, digital marketing.
- Building Management - Planning a new museum; adaptation of an old building; museum architecture including site selection; architects' brief; gardening and landscaping; visitor amenities; accessibility.
- Project Management: Initiation, planning, execution, monitoring, controlling, closure; Collaboration, conflict resolution.

Security:

- Threats to museum collection, building and people: Theft, burglary, vandalism, fire
- Equipment to enhance security in museums
- Insurance

Legislations:

- The Indian Monuments and Archaeological Sites and Remains Act 1958 (Amended 2010)
- Antiquities Export Control Act 1947 (AMASRA)
- Antiquities and Art Treasure Act 1972 (AATA)
- Copyright
- IPR Laws
- Important International charters related to heritage and museums.

Selected reading list:

- Barry Lord, *The Manual of Museum Management*, Altamira, 2001
- John E Simmons, *Things Great and Small: Collections Management Policies*, AAM, 2006
- SS Biswas, *Protecting the Cultural Heritage* (National Legislations and International Conventions).
- Marie C Malaro, *A Legal Primer on Managing Museum Collections*, Smithsonian books, 1998
- P Boylan, *Running a museum: A Practical Handbook*, Paris, ICOM, 2004
- Philip Kotler, Neil Kotler, *Museum Marketing and Strategy: Designing Missions, Building Audiences, Generating Revenues and Resources*, Jossey-Bass Publishers, 2016, 2nd edition.
- Mclean, Fiona, *Marketing the Museum*, Routledge publications, 2012
- French, Ylva & Runyard, Sue, *Marketing and Public Relations for Museums, Galleries, Cultural and Heritage Attractions*, Routledge publications, 2011
- Suzanne MacLeod, *Museum Architecture: A New Biography*, Routledge, 2015
- Kali Tzortzi, *Museum Space: Where Architecture Meets Museology*, Routledge, 2015
- Justin Henderson, *Museum Architecture*, Rockport Pub, 2001
- Gail Dexter, Barry Lord, *The Manual of Museum Management*, Rowman and Littlefield, Altamira, 2009, 2nd Ed.
- Richard Sandell, Robert R. Janes, *Museum Management and Marketing*, Taylor & Francis, 2007

- Kevin Moore, *Management in Museums*, The Athlone Press, 1999
- Michael A Fopp, *Managing Museum and Galleries*, Routledge publication, 2012
- Compendium of Heritage Laws in India, I & II, INTACH, 2020

C.C. 3.2 CONSERVATION OF CULTURAL PROPERTY V (ORGANIC)

- **Painting:** Types, techniques and anatomy of painting
- Pigments, identification of media
- Symptoms and causes of deterioration of paintings
- Conservation and restoration of Oil paintings
- Thangka, *Patachitra*, Wall Painting: Types, structure, and composition, causes of deterioration, preventive care, conservation and restoration
- Case study of Ajanta paintings.
- Miniature Painting: Structure, composition, symptoms, causes of deterioration, preservation, and conservation
- Ethnological objects (cane, bamboo, feather, bone, ivory, hair, shell): care and conservation

Selected reading list:

- Berger, Gustav A & Russell, William H, *Conservation of Paintings: Research and Innovations* - Archetype Publications, 2000
- Stoner, Joyce Hill & Rushfield Rebecca, *Conservation of Easel Paintings*, Routledge publications, 2013
- H Kuhn, *Conservation and Restoration of Works of Art and Antiquities*, London: Butterworth's publ., 1986
- OP Agrawal, *Conservation of Manuscripts and Paintings of South-east Asia*. Butterworths, 1984
- Plenderleith H.J. and Werner A.E.A., *The Conservation of Antiquities and Works of Art*, OUP, New York, 1979
- David Bomford, Mark Leonard, *Issues in the Conservation of Paintings*, Getty Conservation Institute, 2004
- A. K. Bisht, *Conservation Of Ethnographic Objects*, Agam Kala Prakashan, 2013
- Mora, Paolo, Laura Mora and Paul Philippot, *Conservation of Wall Paintings*, Butterworths

C.C. 3.3 INTRODUCTION TO INDIAN ART

- Ajanta cave painting, Manuscript painting, Miniature paintings (Mughal, Pahari, Rajasthani, Deccan, etc), Company painting, Kalighat painting.
- Contribution of great master's in Indian painting and sculpture - Raja Ravi Verma, Bengal school of painters (Abanindranath Tagore, Nandalal Bose etc.), Gaganendranath Tagore, Rabindranath Tagore, Jamini Roy, Hemen Majumder, Ramkinkar Baij, Calcutta group of artists (Dhirendra Krishna Dev Burman, Nirode Majumder, Poritosh Sen, Ganesh Pyne), Amrita Shergil and Bombay progressive group (MF Hussain, Raza, Souza etc.)
- Art of textile - Kalamkari, Baluchari, Bagh, Narayanpet, Mangalgiri, Ordhani, Bagru, Phulkari, Kota, Maheshwari, Venkatgiri, Pochampali, Naksi Kantha.
- Folk Art - Dokra, Pattachitra, Masks (Bengal and India), Puppet.

Selected reading list:

- Stella Kramrisch, *The Art of India through the Ages*, MB pub., 1987
- Archer, W G, *Bazaar Paintings of Calcutta*, HMSO, 1953
- Archer, W G - *Indian Miniatures*, Studio books, London, 1960
- Barret, Douglas & Gray, Basil - *Treasures of Asia: Indian Paintings*
- Bhattacharya, Bholanath, *Shilpabhabna* (in Bengali)
- Chattopadhyay, Kamaladevi - *Handicrafts of India*
- Coomaraswamy, Ananda Kentish - *Christian and Oriental Philosophy of Art*
- Coomaraswamy, Ananda Kentish - *The Arts and Crafts of India and Ceylon*
- Alka Pande, *Masterpieces of Indian Art*, Roli books, 2004

- Dhamija, Jasleen- *Indian Folk Arts & Crafts*
- Dutta, Gurusaday- *Catalogue of Folk Arts*
- Ganguli, K K - *Banglar Lok Silpa* (in Bengali)
- Mookherjee, A- *Folk Art of Bengal*
- Mookherjee, A -*Indian Primitive Art*
- Singh, Madanjit - *Ajanta Painting*
- Ananda K. Coomaraswamy, *Introduction to Indian Art*, Munshiram Manoharlal publishers, 2008 (Reprint)
- *Indian Art* by Roy C. Craven, published by W. W. Norton, 1997 (Revised edition)
- *Myths & Symbols in Indian Art & Civilization* by Heinrich Zimmer edited by Joseph Campbell, Motilal Banarsidass publishers, 1999
- *Indian Painting*, Percy Brown, Lifespan Publishers and Distributors, (2019)
- SP Gupta and Asthana, *Elements of Indian Art, including Temple Architecture and Iconography*
- BN Goswamy, *The Spirit of Indian Painting*, Penguin, 2014

C.E.C. 3.1 INTRODUCTION TO: ARCHAEOLOGY I / ANTHROPOLOGY I

Archaeology I:

- Archaeological Timeline
- History and development of Indian archaeology with special reference to William Jones, Robert Bruce Foote, and other significant early archaeologists.
- Pre-history of Indian sub-continent including technique, geographical distribution, and stratigraphy of Soan, Madras Industry, etc.
- Proto-history of Indian sub-continent: Pre- Harappan settlements (Mehrgarh, Mundigak, etc.), Harappan Civilisation, Late-Harappan civilisations.
- Archaeological study of rock shelters with special reference to Madhya Pradesh: Adamgarh, Bhimbhetka, Panchmarhi, etc.

Anthropology I:

Prehistoric Anthropology

- Anthropological Timeline
- Tools and artefacts
- Tool-making technology
- Dating methods
- Palaeolithic, Mesolithic, Neolithic, and Chalcolithic culture (technique geographical distribution) Microlithic and Megalithic cultures
- Iron Age Culture- Painted grey-ware culture and NBPW culture
- Microliths and megaliths
- Ethnoarchaeology
- Pioneering anthropologists and anthropological museums in India

Selected reading list:

Archaeology:

- Romila Thapar, *Early India: From the Origins to AD 1300*, Penguin India, 2003
- *An Introduction to Museum Archaeology*, Hedley Swain, Cambridge University Press (2007)
- *Museums and Archaeology*, Robin Skeates (Ed.), Routledge (2007)
- *Ancient India* by R. C. Majumdar (Paperback, 10th edition), Motilal Banarsidass Press, 2017
- *Mohenjo-Daro & The Indus Civilization* (In 3 Vol's) by John Marshall.

- Ancient India by R.C Majumdar (paperback 10 th edition) Motilal Banarsidass Press, 2017
- Prehistory and Protohistory of India-An India, Palaeolithic- Non-Harappan Chalcolithic Cultures, V.K. Jain, Motilal Banarsidass,
- The Penguin History of Early India: From the Origins to AD 1300 [Paperback] Romila Thapar, 2003
- ROCK ART OF CENTRAL INDIA: NORTH VINDHYAN REGION, Radha Kant Varma, Aryan Books International, 2012

Anthropology:

- DK Bhattacharya, An Outline of Indian Prehistory
- VK Jain, Prehistory and Protohistory of India: An Appraisal
- Allchin, B R – The Birth of Indian Civilization
- Burki, M C – The Old Stone Age
- Burki, M C – The Early Ancestors
- Boule, M – Fossil Men
- Oakley, K P – Man, the Tool Maker

C.E.C. 3.2 INTRODUCTION TO: ARCHAEOLOGY II / ANTHROPOLOGY II

Archaeology II

- Indian Architecture – Vihar, Stupa, Chaitya grihas, Stambhas(Buddhist)
Dravida, Besara, Nagara (Hindu),
Mosque, Palace, Fort, Tomb (Indo-Islamic)
Colonial architecture (Indo-Saracenic)
- Development of Indian pottery and terracotta art (Timeless and time bound)
- Palaeography and Epigraphy:
 - Origin and antiquity of writing in India.
 - Evolution of Brahmi and Kharosthi scripts
 - Study of selected inscription - Mahasthan plaque, Asoka's Lumbini pillar, Asoka's major rock edicts, Junagadh, Hatigumpha, Allahabad pillar, Besnagar pillar inscription of Heliodorus, Rabatak inscription, Budhagupta, Mehrauli pillar, Aihole inscription of Pulakesin II etc.

Anthropology II

Biological Anthropology

- Geological, biological and cultural dimension of Man
- Biological basis of Life
- Theories of Evolution – Lamarckism, Darwinism. Mutation Theory
- Primate classification
- Human origin and evolution
- Somatometric characteristics
- Racial and cultural distribution of Indian people (Risley and Guha)
- Forensic Anthropology

Selected reading list:

Archaeology:

- *Indian Architecture (Buddhist & Hindu)* by Percy Brown, Shivalik Prakashan, 2019 (Reprint)
- *Indian Architecture its Psychology, Structure & History* (Vol I & II) by E. B. Havell, Life Span publishers & distributors, 2020 (Reprint)
- *Indian Epigraphy* by Richard Salomon, Munsiram Manoharlal Publishers Pvt. Ltd., New Delhi, 1998.
- *Asoka* by D. R. Bhandarkar, University of Calcutta, Kolkata, 1969.
- *Inscription of Asoka* by D. C. Sircar, Publication Division, Govt. of India, 1957.

- *The Magic in the Image (Women in clay at Mohenjo-Daro & Harappa)* by Shereen Ratnagar, Manohar pub., 2018
- DC Ahil, Buddhist Art, History and Culture

Anthropology:

- P Nath, Physical Anthropology
- BRK Shukla and Sudha Rustogi, Physical Anthropony and Human Genetics: An Introduction
- Leakey, L S B – Adam's Ancestors
- Le Grof Clark, W E – The Antecedents of Men
- Le Grof Clark, W E – History of Primates
- জৈবিক নৃবিজ্ঞান, Dr. R. M. Sarkar, Sahajatri Publication, 2022
- Anthropology- The Study of Man, Dr. Indrani Basu Roy, S. Chand Publishing Co., 2013
- Heladdon, A C – Races of Men
- Das, B M – The Outlines of Physical Anthropology

SEMESTER IV

C.C. 4.1 MASTER'S THESIS & REPORTS

- **DISSERTATION**
- Presentation
- Report writing on Museum visits OR Preparation of Status Report of a Heritage site
- Practical training / Internship

Selected reading list:

- McMillan, Kathleen & Weyers, Jonathan, *How to Write Dissertations & Project Reports*, Pearson, 2012
- Kothari, C.R., *Research Methodology – Methods and Techniques* 2nd New age international publishers, 2004
- Uwe - *Introducing Research Methodology: A Beginner's Guide to Doing a Research Project*, SAGE Publications Ltd, 2011
- Berry, Ralph - *The Research Project: How to Write It*, Routledge publications, 2012
- Harboe, Thomas - *Method and Project Writing*, Samfunds literature publications, 2011
- Salter, Brian - *Effective Presenting*, Hodder Education, 2009
- Jay, Antony & Ros - *Effective Presentation: How to Create and Deliver a Winning Presentation*, Financial Times / Prentice Hall, 1999
- Kumar, Ranjit - *Research Methodology: A Step-by-Step Guide for Beginner*, SAGE Publications Ltd, 2010

C.EC. 4.1 INTRODUCTION TO: **ARCHAEOLOGY III / ANTHROPOLOGY III**

ARCHAEOLOGY III

- Hindu Iconography: Devi (Sapta Maktrikas, Nava-durgas, Mahisasura-mardini, etc.)
Iconography of Siva, Siva as a dancer, Dasavatara of Vishnu, Brahma
- Buddhist Iconography: Concept of Pancha Buddha, Maitreya, Avolokiteswara, Tara, Manjusri, Marichi
- Jain Iconography: Twenty-four Tirthankaras
- Organising field excavations in Archaeology – Collection & field documentation
- Collection ethics of Archaeological excavations

ANTHROPOLOGY III

Socio-Cultural Anthropology

- Tribal types- distribution in time and space, tribal medicine, arts and crafts
- Study of any five tribes and their material in India
- Magic and religion – Animism, animatism and Toteism
- Linguistic Anthropology
- Social customs, manners, religion, and institutions- marriage, family clan and race
- Organising field expeditions in Anthropology – Collection & field documentation.
- Collection ethics of Anthropological expeditions.

Selected reading list:

- Indrani Basu Roy, *Anthropology: The Study of Man*
- DN Majumdar and TN Madan, *An Introduction to Social Anthropology*
- সামাজিক-সাংস্কৃতিক নৃবিজ্ঞান by Dr. R. M. Sarkar, Sahajatri Publication, 202
- সামাজিক-সাংস্কৃতিক নৃবিজ্ঞান, Dr. Sumahan Bandyopadhyay, Parul. Prakashani, 2013
- Boas, Franz – *Race, Language and Culture*
- Lowie, R H – *Cultural Anthropology*
- Majumder, D N & Madan, T N – *An Introduction to Social Anthropology*
- Morgan, L H – *Ancient Society*

- Risley, H H – The Peoples of India
- Chakraborty, Mukul & Mukherji, Dipak – Indian Tribes

C.EC. 4.2 INTRODUCTION TO: ARCHAEOLOGY IV / ANTHROPOLOGY IV

ARCHAEOLOGY IV

- Indian sculptural art – Mauryan, Sunga, Kushan, Gupta, Satavahana, Chalukya, Pallava, Chola
- Detail study on Indian Numismatics
 - Ancient coins (Punch-marked, ancient tribal, Greek, Indo-Greek, Kushana, Sassanian, Gupta).
 - Medieval (coins of Post-Gupta, Delhi Sultan, Mughals, and Successors of the Mughals).
 - Modern (Coins of Portuguese, East India Company)
 - Study of interpretation, display and care of archaeological artefacts in a museum display and storage.

ANTHROPOLOGY IV

Ecological Anthropology

- Definition of Ecological Anthropology
- Different branches of Ecological Anthropology
- Cultural ecology and ethnoecology
- Environmentalism and ecosystem'
- Human adaptation

Anthropology of Health, Food and Nutrition

- Human nutrition – basic concept
- Food habits and preferences
- Epidemiology of common communicable diseases
- Medical Anthropology

Selected reading list:

Archaeology:

- Elements of Hindu Iconography (2 Volumes in 4 Parts), T.A. Gopinath Rao, Motilal Banarsidass, (2017)
- The Development of Hindu Iconography, [Jitendra Nath Banerjea](#), Munshiram Manoharlal, 2002
- ELEMENTS OF BUDDHIST ICONOGRAPHY: ANANDA K. COOMARASWAMY, Manohar Publishers and Distributors (2009)
- Dictionary of Buddhist Iconography, Lokesh Chandra, International Academy of Indian Culture and Aditya Prakashan, 1999
- Iconography of Jain Deities, Sri Sadashiva Yogiswara, B.R Publishing Corporation, 1999
- The Jaina Iconography by B. C. Bhattacharya, Motilal Banarsidass, 1939
- Field Archaeology: An Introduction –by Peter Drewett, Routledge, 2011

Anthropology:

- Nadeem Hasnain, Indian Anthropology
- SI Doshi, Anthropology of Food & Nutrition

O.E.C. 4.1

Any one subject from the following:

Heritage Management I/ Western Art I/ Conservation of paintings I (oil, water, gouache, ink, acrylic, etc.) / Conservation of Archival Materials I

O.E.C. 4.2

Any one subject from the following:

Heritage Management II/ Western Art II/ Conservation of paintings II (oil, water, gouache, ink, acrylic, etc.)/ Conservation of Archival Materials II