

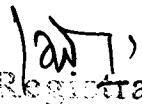
UNIVERSITY OF RAJASTHAN
JAIPUR

SYLLABUS

M.A Museology & Conservation

Semester Scheme

I/II Semester Examination	2016-2017
III/IV Semester Examination	2017-2018


Dy. Registrar
(Academic)
University of Rajasthan
Jaipur

December
M. A. Ist Semester syllabus w.e.f. 2016
Scheme of Examination

Papers:- CMC 101CC, 102CC, 103CC, A01ECC, A02ECC, A03ECC, A04ECC, A05ECC,
Theory papers

Time : 3 Hours

Max. Marks : 70

Credits : 06

Part - I

खण्ड-1

Marks : 20

This part contains 10 compulsory questions of 2 marks each from commonly distributed in each unit. Answer should be in 40 words.

इस खण्ड में 10 अनिवार्य प्रश्न 2 अंको वाले हैं, जिसका चयन सभी खण्डों में से समान रूप से किया गया है और लगभग 40 शब्दों में जिसका उत्तर देना है।

Part - II

खण्ड-2

Marks : 20

This part contains 6 questions, 5 questions to be attempted and answer in approximately 100-150 words. All questions carry equal marks. Each question carries 04 marks.

इस खण्ड में 6 प्रश्न होंगे। 5 प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर 100-150 शब्दों में हो। सभी प्रश्नों के अंक समान हैं। प्रत्येक प्रश्न 04 अंको का है।

Part - III

खण्ड-3

Marks : 30

This part contains 6 questions of 10 marks each (2 questions from each unit). 3 descriptive questions to be attempted in 250 words approximately from each unit. All questions carry equal marks.

इस खण्ड में 10 अंको वाले 6 वर्णनात्मक प्रश्न होंगे। प्रत्येक इकाई में से 2 प्रश्नों का चयन किया गया है। लगभग 250 शब्दों में 03 प्रश्नों के उत्तर प्रत्येक इकाई से 01 प्रश्न का चयन कर देने होंगे। सभी प्रश्नों के अंक समान हैं।

Practical Papers

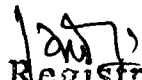
Max. Marks : 30

Credits : 2

Papers:- CMC 101CC, 102CC, 103CC, A01ECC, A02ECC, A03ECC, A04ECC, A05ECC,

The Practical examination will be conducted by the Centre on its own level.

नोट:- प्रायोगिक परीक्षा सेन्टर के स्तर पर आयोजित की जायेगी।


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University of Rajasthan, Jaipur

M.A. I Semester : Museology and Conservation

Exam Dec 2016

S. No.	Course	Code	Subject	Total Examination Scheme		
				Theory	Practical	Credit
1.	M/CMC	101 CC	Introduction to Museum and Museology	70	30	6
2.	M/CMC	102 CC	Museum Management	70	30	6
3.	M/CMC	103 CC	Collection Management	70	30	6
4.	M/CMC	A01 ECC	Preservation of Architectural Heritage	70	30	6
5.	M/CMC	A02 ECC	Heritage Management & Tourism	70	30	6
6.	M/CMC	A03 ECC	Cultural Tourism in Rajasthan	70	30	6
7.	M/CMC	A04 ECC	Outline of Indian History & Culture	70	30	6
8.	M/CMC	A05 ECC	Computer Application in Museum	70	30	6

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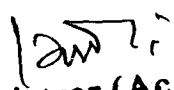
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University of Rajasthan, Jaipur**

M.A. I Semester : Museology and Conservation

S. No.	Course	Code	Subject	Proposed Teaching Scheme		
				Theory (including Tutorials/ Assignments/ Seminar/Atte ndance	Practical	Marks
1.	M/CMC	101 CC	Introduction to Museum and Museology	4	2	6
2.	M/CMC	102 CC	Museum Management	4	2	6
3.	M/CMC	103 CC	Collection Management	4	2	6
4.	M/CMC	A01 ECC	Preservation of Architectural Heritage	4	2	6
5.	M/CMC	A02 ECC	Heritage Management & Tourism	4	2	6
6.	M/CMC	A03 ECC	Cultural Tourism in Rajasthan	4	2	6
7.	M/CMC	A04 ECC	Outline of Indian History & Culture	4	2	6
8.	M/CMC	A05 ECC	Computer Application in Museum	4	2	6


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Syllabus : M.A. Museology & Conservation 2016-17.

Semester I

Paper 1 M/CMC 101CC: Introduction to Museum & Museology Course catg. CCC
6 Credits

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Total 100 Marks

Unit - I

Aims, functions and relevance of Museums: concept of museum origin; Changing meaning and definitions; History of Museums in India, World and Rajasthan. History of museums in global context. Introduction of National level Museums in India and select museum in foreign countries such as Louvre Museum, Paris; British Museum, London; Victoria and Albert Museum, London; State Hermitage, Russia; Smithsonian Museum, Washington; The Acropolis Museum, Athens; Canadian Museum of History.

Unit - II

Museology and Museography - origin and meanings. Concepts of Eco-museum and New Museology. Specialized Museums : Children museum, Personallia museum, Eco museum, Virtual museum, Site museums etc.

Unit-III

Types of museums - classification of museum on the basis of nature of collections, governing body, and scope. New types of museums, museum-like structures and allied institutions. Professional organizations. Training opportunities in India and abroad.

Practical- To make proposal for an Eco-museum or select any existing museum or community which can be developed as eco-museum and present a proposal on basic need and structure needed for eco-museum on concerned site.

Reference Books:-

1. Grace Morley, *Museums To-day*, 1967, Department of Museology, M.S. University of Baroda, 1968.
2. V.P. Dwivedi, edited, *Museums and Museology : New horizons*.
3. Vasant Hari Bedekar, *New Museology for India*, National Museum Institute of History of Art, Conservation, and Museology, 1995
4. संजय जैन, *म्यूजियम एवं म्यूजियोलॉजी - एक परिचय*, कनिका प्रकाशन, 1999
5. Paul Greenhalgh, *The New Museology*
6. Vicky Peterson, *The Treasure of the Natural History Museum*
7. Nina Simon, *The Participatory Museum*.


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Paper II M/CMC 102 CC : Museum Management Course
Credits

Catg. CCC 6

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Total 100 Marks

Unit – I

Museum Management : meaning, nature, purposes. Change in Museums legal status and administrative setup. Friends and members of the Museums, Liaison with outside experts, laboratories, Institutions and Professional organization. Training opportunities in India.

Unit – II

Museums and their administrative structure, Museum Staff, their recruitment and training. Qualification and duties, supervision and report of work. Museum finance, sources of funds, methods of budget preparation. Allocation of expenditure, maintaining of accounts and audit. Office Methods - routines, rules and regulation. Special bodies related to museum and museum work.

Unit – III

Museum marketing : objectives, purposes, policies, techniques. General maintenance and supervision of Collections. Display. Management of security – Procedure, techniques, electronic system and Maintenance. Public comfort and facilities, Public relation. Health Safety of Museum visitors. Co-operation with mass media.

Funding sources : Admission fee, membership programs, renting, food services, museum shops, grant-in-aids, donation, foundations and corporate houses. Process and terms in getting grant-in-aid from Central and State government. Strategies for seeking donation and sponsorships.

Practical (2 credits) Museum Management. – Case study of any museum and suggest administrative structure and funding policies for the same.

Reference Books:-

1. *Studies in Museology*, Volume 36, Department of Museology, M. S. University of Baroda., 2003, Original from the University of California
2. Grace Morley: *Museums Today* - Publisher, University of Baroda, Department of Museology, 1981
3. Thompson, John M.A.: *Manual of Curatorship*, Butterworths, reprint 1984
4. S. F. Markham and H. Hargreaves.: *Museums of India*, London 1936
5. Jahir, M., *Museum Management*, Allahabad 1963.
6. Sivaram Murthi, C, *Directory of Museum in India*, New Delhi 1959.
7. Bhatnagar, Anupama, *Museum, Museology and New Museology*, New Delhi 1999
8. Agarwal, Usha, *Museum in India-A brief Directory*, New Delhi 1985 (1969)
9. *The organization of museums: practical advice*, Issues 9-10 Unesco, Edition-4, illustrated, 1960
10. *Museum Studies: Festschrift to Doctor M.L. Nigam*, Editor- Alok Tripathi, Sharada Publishing House, 20.
11. Mohan Lal Nigam, *Museum Re-organization*, Available with Bhasha Prakashan, 1969
12. Mohan Lal Nigam, *Fundamentals of Museology*, Navahind Prakashan, 1966
13. Neil G. Kotler, *Museum Marketing Strategy*.

Paper III M/CMC 103 CC: Collection Management
4 Credits for theory and 2 credits for Practical.

Course catg. CCC 6 Credits

Theory-70 & Practical-30 Marks.

Total 100 Marks

Unit – I

Ethics of collections, Policies of collection. Aims and methods of collection. Will, bequest loan, exchange, donation, excavations, explorations, field work, funds and special grants for collection. Legal aspect of collection - The Indian Treasure Trove Act, 1878, The Ancient Monuments and

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Archaeological Sites and Remains Act, 1958. The Antiquities and Art Treasures Act, 1972.
Wild Life Protection Act, 1972.

Unit – II

Exchange of museum materials, Long- short term, permanent etc. Insurance of Museum objects, photographic record of museum collection, Packing, transportation and storage of the museum objects.

Unit - III

Disposing museum collection - Meaning and purpose of disposal, methods of disposal, terms and conditions of disposal. Procedures for disposal. Storage - planning of collection storage. Visual storage. Security and safety. Storage systems. Specific storage conditions for different types of collections.

Practical – Visit to any museum and make report about its collection management.

Reference Books:

1. Dudley D.H. & other: *Museum Registration Methods*, American Association of Museum 1958
2. Stolow, N., *Conservation and exhibitions: packing, transport, storage and environmental considerations*. London: Butterworths, 1987
3. *On the Measures Required for the Efficient Working of the India Museum and Library: With Suggestions for the Foundation, in Connection with Them, of an Indian Institute for Enquiry, Lecture, and Teaching*, Authors, John Forbes Watson, G.E. Eyre and W. Spottis woode, 1874.
4. *Collection Management, Leicester Readers in Museum Studies*, Editor- Anne Fahy, Publisher- Taylor & Francis, 1994
5. *The Ethics of Collecting Cultural Property: Whose Culture? Whose Property?* Editor- Phyllis Mauch Messenger, Edition- illustrated, Publisher- UNM Press, 1999
6. *Museum Ethics: Theory and Practice, Heritage: Care-Preservation-Management*, Editor- Gary Edson, Publisher- Routledge, 2005
7. *Collection Management in the National Museums and Galleries of Northern Ireland, House of Commons papers*, The Stationery Office, 2006
8. *Planning and Design of Museum Collection Storage Facilities*, Author- Joanne C. Horgan, E. Verner Johnson and Associates, 1990
9. *Museum Collection Storage*, Published in 1979 by the United Nations Educational, Scientific and Cultural Organization, (Available on UNESCO's website)
10. *Museum International*, No 188 (Vol. XLVII, n° 4, 1995), Storage- (Available on UNESCO's website)
11. *The Manual of Museum Management*, Gail Dexter Lord.

Paper IV CMC A01 ECC: Preservation of Architectural Heritage FCC 6 Credits
4 Credits for theory and 2 credits for Practical. Theory-70 & Practical-30 Marks.

Total 100 Marks

Unit-I

Architectural heritage: meaning definition and classification. Need to preserving architectural heritage. History of architectural conservation. Present scenario in terms of their state of preservation. Initiatives take by the Govt. Agencies involved in conservation of architectural heritage. Public awareness program for preservation of built heritage.

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Unit-II

Approaches to architectural conservation: Prevention. Rehabilitation. Restoration and Reconstruction. Introduction to building materials used in ancient, medieval and present times. Need for hiring a conservation architect for a conserving a historic building.

Unit III

Common architectural conservation/preservation problems. Causes of deterioration. Control measure for damaging factors- climate, atmospheric and biological. Preventive measures and maintenance programs

General remedial measures. Repair and strengthening of structures. Documentation of preservation and conservation efforts. Ethics of architectural conservation.

Practical — Visit a site and record the state of preservation and examine and monitoring of deterioration of historic building or make the proposal to clean exterior surface of historic buildings and monuments.

Reference Books:

1. Agarwal, O.P. : Conservation of cultural property in India, Published- Indian Association for the Study of Conservation of Cultural Property., 2005
2. Hari, C.V. — Materials for Conservation, Architectural Press, 1987.
3. Swarnkamal — Protection and Conservation of Museum Collection, Baroda, 1975.
4. Vatsa, M.S. — Conservation, Archaeology in India, New Delhi 1950.
5. Lukas, A. — Antique and their restoration and preservation, London — 1932.
6. Conservation of Cultural Heritage: Key Principles and Approaches, Author- Hanna Szczepanowska, Edition- illustrated, Publisher- Routledge, 2013
7. Plant Biology for Cultural Heritage: Biodeterioration and Conservation, Editors- Giulia Caneva, Maria Pia Nugari, M. P. Nugari, O. Salvadori, Contributor- Getty Conservation Institute, Edition- illustrated, Publisher- Getty Publications, 2008
8. Conservation of Cultural Heritage: Essays in Honour of Shri A.S. Bisht, Authors- Anand Singh Bisht, Kamal K. Jain, Publisher- Agam Kala Prakashan, 2009.

Paper V : M/CMC A02 ECC: Heritage Management and Tourism course catg. ECC

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Total 100 Marks

Unit I

Heritage : Definition, Interpretation, Concept: Types of Heritage : Tangible and Intangible, Living tradition. Myths and Folklore: Performing Arts and Visual Arts; Legislation concerning Heritage : Its history, problem and implementation.

Unit II

Heritage Management : Meaning, Definition. Concept, aims, interpretation and function: Care and Maintenance of Heritage : Structural. Conservation of Monuments. Chemical preservation of Monuments and Antiquities; Documentation, Identification. Classification, Cataloguing of Heritage.

Unit III

Tourism : Definition, Concepts. Types : Importance of Tourism in the field of Heritage: Tourism Management : Product. Operation. Case Study: Ecology : Environment and Tourism: Tourism Marketing; The Organizations promoting Heritage : UNESCO, IHCN etc.

Practical :

1. To make tourist plan for any heritage.
2. Documentation of Heritage sites of any district in Rajasthan.

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Note: All the practical should be prepared with the help of computer application.

Suggested reading

1. McKeehyer, S and Du Gros, H. Cultural Tourism: The Partnership between Tourism and Cultural Heritage Management, New York, 2002.
2. Timothy, D and Boyd S. Heritage Tourism: Theme in Tourism, Essex, 2006.
3. Gupta, S.P. Krishna Lal & Manu, Elhattacharya — Cultural Tourism in India, New Delhi, 2002.
4. Basham, A.L. — A Cultural History of India, Oxford, 1978.
5. Shaha — Tourism in India.
6. Aleksey, B.G. — Cultural Tourism in India: Its scope and development.
7. Kaul, S.N. — Tourist India.
8. Bhatia, A.K. — Tourism Development: Principles and Practices, Delhi, 1983.
9. Garg, Shuchi — Diverse Aspects of Tourism Management, Delhi, 2006.
10. Huja, Reema — A History of Rajasthan, 2002.
11. Singh, Chandra Mani — Protected Monuments of Rajasthan.
12. Heritage Tourism & Management: Agencies, Organization & Impacts.
13. Heritage, Museum & Management: Public Relation, Education, Research, Publication.
14. Avinash Anand, Tourism Perspective in 21st Century, Eastern Book Corp.
15. Badani, B.S. & Harish, Shaif & Encyclopaedia of Tourism in 21st Century (20 Vols.) Indiana.
16. R. Chawla, Tourism in India, Indiana.
17. Cultural Tourism and Heritage Management — Shalini Singh, Rawat Publication, 1994.
18. Peter Howard, Heritage, Management, Interpretation, Identity, Amazon Com.
19. Marion Blockley, Heritage Interpretation, Edited, Alison Hems, Routledge.
20. Chatter, Kiyaring — Planning for tourism development.
21. सवता राज — पर्यटन विकास के विविध आयाम.
22. दीक्षित के.के. एवं गुप्ता, जे.पी. — पर्यटन के विविध आयाम.
23. व्यास, राजेश कुमार — पर्यटन एवं विकास, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर, 2008.

Paper-VI : M/GMC A03-ECG : Cultural Tourism in Rajasthan, Course Code: ECG
4 Credits for theory and 2 credits for Practical. Theory-70 & Practical-30 Marks
Total 100 Marks

Unit I

Cultural Tourism : Definition, Concept: Interpretation and types; Origin and Development of Cultural Tourism; New Trends in Cultural Tourism: Product of Cultural Tourism in Rajasthan.

Unit II

Rajasthan : General Introduction, its history and culture: General Survey of Museums of Rajasthan; Folk art, dances, dresses, food, handicrafts and festivals of Rajasthan: Tradition of medieval saints: Folk god and goddesses.

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Unit III

Historical Tourism in Rajasthan with special reference to Virata Nagar. Bhanagarh. Ranthambore, Haldighati: Religious Tourism with Special reference to Pushkar. Nathdwara, Ajmer Dargah. Shri Mahaveerjee, Beneshwar. Deshnok. Ossian; Responsible factors for the enhancement of Tourism.

Practical :

1. Make a tourist proposal for any historical site of Rajasthan.
2. Make a proposal for creating an agency for the enhancement of tourism

Note: Proposal should be prepared with help of computer application.

Suggested reading :

1. McKerchyer, B and Du Cros H. - Cultural Tourism : The Partnership between Tourism and Cultural Heritage Management, New York, 2002.
2. Timothy, D. and Boyd S. - Heritage Tourism : Theme in Tourism, Essex, 2003.
3. Gupta, S.P. Krishna tal & Mahua Bhattacharya - Cultural Tourism in India, New Delhi, 2002.
4. Busham K.L. -A Cultural History of India, Oxford, 1978.
5. Bhatia - Tourism in India.
6. Alchevs, E.G. - Cultural Tourism in India, its scope and development.
7. Kaul, S.N. - Tourist India.
8. Prabhakar Manohar : Cultural Heritage of Rajasthan
9. Shukla, D.C. : Spiritual Heritage of Rajasthan
10. Singh Chandra Mani : Protected Monuments of Rajasthan
11. व्यास, राजेश कुमार : सांस्कृतिक पर्यटन, राजस्थान साहित्य अकादमी, जयपुर
12. सकसेना, शालिनी : राजस्थान के लोक तीर्थ, पंचशील प्रकाशन, जयपुर
13. राजस्थान पर्यटन विकास निगम (आर.टी.डी.सी.) द्वारा प्रकाशित पुस्तकें।
14. गढ़वीर एम.आर. एवं सुथार अंजु सम्पादित : पर्यटन : दशा एवं दिशा, लिटर्सरी सर्किल, जयपुर ।
15. चूड़ावत लक्ष्मी कुमारी : लोक संस्कृति, रूप और दर्शन।
16. सिंह, शिव : राजस्थानी लोकगीत, खण्ड 1 एवं 2 ।
17. शर्मा, मनोहर : राजस्थानी लोक संस्कृति की रूपरेखा।
18. सामर देवी लाल : राजस्थान की लोक कलाएँ ।
19. सामर देवी लाल : राजस्थान के लोकोत्सव ।
20. गहलोत, एस.एस. : राजस्थान के रीति रिवाज ।
21. नीरज जयसिंह एवं भगवती लाल वर्मा (सं.) – राजस्थान की सांस्कृतिक परम्परा, राजस्थान साहित्य अकादमी, जयपुर ।
22. दाधीच, राय प्रसाद : राजस्थान सन्त सम्प्रदाय ।

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Paper VII/A04 /ECC/ Outline of Indian History & Culture. Course Catg. ECC
 4 Credits for theory and 2 credits for Practical. Theory-70 & Practical-30 Marks.
 Total 100 Marks

Unit 1

Society and culture; History and Anthropology; Stone Age to First Urbanization; Vedic society and early Iron Age - Social stratification; Towards Empire - Maurya, unga, Satavahana, Kushana; Gupta and post-Gupta,

Unit 2

Social pattern in medieval India. Religious movements: Dhakti and Sufi Movements. Cultural Synthesis: Art, Architectures, Sculpture, Paintings, Literature

Unit 3

British Understanding of Indian society. Social reforms. British impact on Indian Culture

Practical :Any one

1. Poster presentation related to all three units.
2. To make clay-models of different communities and their life styles
3. Collective activity : To make plan depicting different themes through play.

Suggestive Readings-

R.C. Majumdar., et al (eds.) *History and Culture of Indian People*, Vols. I, II, III. Mumbai. 1974.

Jha. D.N. and Shrimali, K.M. *Prachina Bharat Ka Itihas* [in Hindi] Delhi. 1990.

Verma, H.C. *Madhya Kalin Bharat 750-1540*. [in Hindi] Delhi, 1993

Verma, H.C. *Madhya Kalin Bharat 1540-1701*. [in Hindi] Delhi, 1993

Shukla, R.L.(ed) *Adhunik Bharat Ka Itihas* [in Hindi] Delhi, 1998

Bridget and Raymond Allchin, *Origin of Civilization* 1988

F.R. Allchin. *Neolithic Cattle Keepers of South India*, Cambridge 1963.

M.K. Dhavalikar. *Indian Proto-history*. Delhi. 1997.

J.M. Kenoyer. *Ancient Cities of the Indus Valley Civilization*. Karachi, 1998. B.S.N.

Yadava. *Society and Culture of Northern India in the Twelfth Century* Allahabad. 1973.

Eugenia, Vanina. *Ideals and Society in India from the Sixteenth to the Eighteenth Centuries*, Delhi, 1996.

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Paper VIII: CMC/A05/ECC/ Computer Application in Museum Course Catg.
ECC 4 Credits for theory and 2 credits for Practical. Theory-70 & Practical-30
Marks.

Total 100 Marks

UNIT – I

- **Computer Fundamentals:**
 Concept of Hardware, Software & Firmware, Type of Hardware, Type of Software, Data, Instruction & Information, Computer languages and their working.
- **Windows Operating System:**
 Concept of Operating System (OS), Windows as Desktop OS, About Desktop (My Computer, Recycle Bin, My Documents), Windows utilities (Wallpaper, Colour settings, Notepad, Calculator, Clock, Paint, Games).
- **Working with Windows OS:**
 Data organization, Concept of Files & Folders, Working with Folders (Create, Delete, Rename, Copy, Move), Working with Files (Create, Delete, Rename, Copy, Move), File type & File association, Use of Windows Explorer in managing Files & Folders.
- **Computer in Museum:**
 Features of computer useful in museum, Implementation areas of computer in museum – Documentation, Education, Research, Exhibition, Security, Payroll, Accounting and Designing, Limitations of computer, Computer maintenance and up-gradation.

UNIT – 2

- **Introduction to Word Processor:**
 Concept of Word Processor, Features and Working, Implementation areas and advantages w.r.t museums, MS-Word as word processor.
- **Working with MS-Word:**
 Working with MS-Word file (Creating, Editing, Formatting, Saving and Printing), Using Spell checker, Templates & Documents, References, Mail Merge.
- **Introduction to Spreadsheet:**
 Concept of Spreadsheet, Features and Working, Implementation areas and advantages w.r.t museums, MS-Excel as spreadsheet and Difference with MS-Word.
- **Working with MS-Excel:**
 Working with MS-Excel file (Creating, Editing, Formatting, Saving and Printing), Workbook & Worksheets, Linking worksheets, References, Functions, Sorting & Autofill, Graphs & their types, Views & its significance.

UNIT – 3

- **Introduction to Internet, WWW, Web Browser & browsing, Emailing, Searching information on web.**
- **Internet advertising and marketing. Conferencing on Internet – Teamviewer, VNC software.**

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- Introduction to Presentation Graphics:

Concept of Presentation Graphics, Features and Working, Implementation areas and advantages w.r.t museums, MS-Powerpoint as Presentation Graphics software.

- Working with MS-Powerpoint:

Creating a presentation file, Editing, Formatting, Saving and Printing. Type of Slides and their implementation. Inserting Text, Picture, Media, Graph in slide. Applying theme to slides. Adding animation to slides. How to create a good presentation?

Practical :- All the course content includes practical work therefore it is required to use computer programming for any program in museum.

Reference Books

Jaegeol Yim and Thanhce : *Museum Guide, A Mobile App.*

Museum Vol. XXX, No. 3/4, 1998, Museums and Computers, United Nations Educational, Scientific and Cultural Organization in Paris.

David Evans, *Introduction to Computing, Exploration in Language, Logic and Machines*, Uni. of Virginia.

Sutanu Bhattacharya, *Introduction to Computer Applications for Beginners*, 2011, Kalyan.

P.K. Sinha, *Computer Fundamentals*, BPB Publications.

BITTU KUMAR. *MICROSOFT OFFICE 2010*, Paperback edition

Prof. Satish Jain and M. Geetha, *MS-Office 2010 Training Guide*, BPB Publications.

Adesh K. Pandey, *Internet Fundamentals*, Katson Publications.

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Centre for Museology & Conservation

University of Rajasthan

M.A. II Semester : Museology and Conservation Exam June 2017

Syllabus

S. No.	Course	Code	Subject	Total Credits		
				Theory (including Tutorials / Assignments / Seminar	Practical	Credit
1.	M/CMC	201 CC	Documentation and Research	4	2	6
2.	M/CMC	202 CC	Conservation : Curative Conservation	4	2	6
3.	M/CMC	203 CC	Conservation : Preventive Conservation	4	2	6
4.	M/CMC	B01 ECC	Survey of Indian Architecture	-	-	6
5.	M/CMC	B02 ECC	Indian Sculpture & Iconography	-	-	6
6.	M/CMC	B03 ECC	Decorative Arts of India	4	2	6
7.	M/CMC	B04 ECC	Museum Trends and new innovations	4	2	6
8.	M/CMC	B05 ECC	Project on Gallery of museum	Written	Viva- Voce	6
				4	2	


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M.A. II Semester

M/CMC 201 CC : Documentation and Research

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Credits 6

Total Marks 100

Unit - I

Meaning and purpose of documentation; Documentation policy: Numbering system. Type of numbering system: bipartite, tripartite and classified numbering system. Different type of documentation: temporary documentation, Item documentation and Control documentation. Temporary registration. Accession register. Catalogue card. Index card, Gallery cards and Registers etc.

Unit - II

Computerization and Digitization. Aim and objectives of digital documentation. Introduction to major software used for documentation in major museums in India: Documentation software introduced from Ministry of Culture, India. Introduction to major Documentation methods, adapted into various museums in India.

Unit - III

Definitions, Principles, Objectives and Scope of research in museum. Research Policy in museums, examples of museum contributions to research. Research methodology. Various kinds of museum publication based on research and for interpretation, terminology for describing museum objects. Organization and maintenance of a reference library principles of Library Science.

Practical – Internship (two weeks) to Prepare catalogue cards and Permanent accession register for the objects provided by concern guide in lab. (A practical approach to documentation and related obstacles)

Reference Books:

1. Dudley D.H. & other: Museum Registration Methods. American Association of Museum, 1958
2. Stolow, N. Conservation and Exhibitions: packing, transport, storage and environmental considerations. London. Butterworths. 1987
3. Roychaudhary, D. & other: Sangrahalaya Vigyan (Hindi), New Delhi, 1965
4. UNESCO, Manual of Traveling exhibition. Paris, 1953
5. Fehi, Anne. Collection management. Routledge. London, 1995
6. Pondurai, R.. The role of University Museum in research. Journal of Indian Museum. 41(1985)
7. Pal, Marshal. The Museum and Community, 1932
8. Adsan, Gray. Museum Ethics. Rotlez, 1977
9. How to Write Assignments. Research Papers. Dissertations and Thesis. V. H. Bedeker, Kanak, 1982
10. V.H. Bedeker. So You Want Good Museum Exhibitions. Publisher- Department of Museology. Faculty of Fine Arts. University of Baroda: copies can be had from University Publications Sales Unit, University of Baroda Press. 1978

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11. Documentation in museums: Proceedings of the 1973 All India Museums Conference, held at Mysore, September 19-23, 1973. Editor - Om Prakash Agrawal. Publisher. Museums Association of India, 1974, Original from the University of Virginia
12. Robert G. Chenhall. Museum Collections and Today's Computers. David Vance. Edition- illustrated. Greenwood Press. 1988. Original from the University of Michigan

M/CMC 202 CC : Conservation: Curative Conservation

4 Credits for theory and 2 credits for Practical

Theory-70 & Practical-30 Marks

Credits: 6

Total Marks: 100

Unit - I

Professional conservation versus curatorial conservation: Conservation as a profession. Professional organization such as NRLC, Iccrom, CCI, IIC, Intach, Getty, etc. Conservation facilities in India. Documentation in Conservation and its significance and methods.

Unit - II

House-keeping in and around museum building: meaning and significance of housekeeping; principles of housekeeping; correct methods of cleaning; visual scanning of various areas for hygienic conditions, microbial growth, insect activities, physical and chemical changes in objects/specimen. Cleaning schedules; supervising the housekeeping staff. Safe and eco friendly methods of waste disposal: Handling of museum collections: Significance of proper handling of objects; general rules of handling museum collections; specific rules of handling small delicate objects, flat and flexible objects; large flat textiles; books and manuscripts; furniture; framed objects; heavy and awkward objects. Packing and transportation of museum objects for various purposes. Traditional methods of conservation and their relevance in present day context.

Unit-III

Causes of deterioration, methods of examinations and diagnosis, and low and high tech methods of curative conservation in respect of inorganic materials. Metal objects - Gold and its alloys; Silver and its alloys; Copper and its alloys; Iron; Lead, Tin, and Pewter. Siliceous Materials: Stone, Pottery, Terracotta, Glass etc.

Practical - Cleaning of Iron and Paper object with preservation techniques

Reference Books:-

1. H.J. Plenderleith, A.E.A. Werner: The conservation of Antiquities and works of art: treatment, repair and restoration, Oxford University Press, 1976
2. Gairola, T.R. : Handbook of Chemical conservation of Museum Objects, Published by Department of Museology, Maharaja Sayajirao University of Baroda, 1960
3. Kunh, H.: Conservation and Restoration of works of art and antiquities, Butterworths, 1986
4. Agarwal, O.P. : Conservation of cultural property in India, Published by Indian Association for the Study of Conservation of Cultural Property., 2005
5. Hari, C.V. : Materials for Conservation, Architectural Press, 1987.
6. Swamkamal - Protection and Conservation of Museum Collection, Baroda, 1975.

7. Vatsa, M.S. - Conservation, Archaeology in India, New Delhi 1950.
8. Lukas, A. - Antiquities and their restoration and preservation, an article in the conservation on movement: A History of architecture and preservation, by M. glen dinning London - 1932.
9. Ananda varhan, Rediscovery: Indian Museology and Conservation, Delhi.

M/CMC 203 CC : Conservation: Preventive Conservation
 4 Credits for theory and 2 credits for Practical.
 Theory-70 & Practical-30 Marks.

Credits 6
 Total Marks 100

Unit - I

Professional conservation versus Preventive conservation. Infrastructure required for setting up a museum conservation laboratory. Staffing and budgetary provisions. Training of conservation staff. Attribute of a conservation professional carrier opportunities in professional conservation. Partnership with outside agencies for conservation efforts.

Unit - II

Meaning and concept of traditional conservation. Traditional methods of conservation and their relevance in present day context. Traditional conservation versus Professional conservation. Introduction to organic chemistry, study of characteristics of different organic natured objects in museums and their requirements in terms of preservation.

Unit - III

Conservation of organic materials : archival material, textile, wood, leather, bone, ivory, horn/antlers, photographs, etc. Conservation and Restoration on canvass. wood, wall, textile, paper etc. Interpretation of nature & natural history elements through various means : Exhibits & Exhibitions audiovisual & Dioramas.

Practical :- Preservation of Natural History specimens or Case study report for different kind of deteriorated objects in museum.

Reference Books:-

1. H.J. Plenderleith, A.E.A. Werner: The conservation of Antiquities and works art - treatment repair and restoration, Publisher- Oxford University Press, 1976
2. Gairola, T.R. : Handbook of Chemical conservation of Museum Objects, Published- Department of Museology, Maharaja Sayajirao University of Baroda, 1960
3. Kunh, H.: Conservation and Restoration of works of art and antiquities, Butterworths, 1986
4. Agarwal, O.P. : Conservation of cultural property in India, Published- Indian Association for the Study of Conservation of Cultural Property., 2005
5. Hari, C.V. - Materials for Conservation, Architectural Press, 1987.
6. Swarnkamal - Protection and Conservation of Museum Collection, Baroda, 1975.
7. Vatsa, M.S. - Conservation, Archaeology in India, New Delhi 1950.
8. Lukas, A. - Antiquities and their restoration and preservation, an article in the conservation on movement: A History of architecture and preservation, by M. glen dinning London - 1932.

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M/CMC B01 ECC: Survey of Indian Architecture

6 Credits for theory

Credits 6

Total Marks 100

Unit I

Pre and Protohistoric Settlement Art and Architecture: Mehargarh, Rehman Dheri, Kunal, Harappa, Mohenjodaro, Kalibangan, Banawali, Lothal, Dholavira; Mauryan Art and Architecture: Pillars, Caves, Stupa, rock cut architecture, wooden Palace.

Unit II

Sunga-Satavahana Art and Architecture: Caves, Stupa, Rock cut architecture, Monasteries. Saka-Kushana Art and Architecture: Temples, Monasteries. Classical Indian Art and Architecture: Gupta; General introduction of the styles of temple architecture with reference to Chola, Pallavas, Pala and Regional art style of Kashmir and Himanchal .

Unit III

Medieval Indian Architecture: Temples, of Vijaya Nagar, Halebid, Hampi, Chittorgarh, Khajuraho; Indo Islamic architecture: Humayun's Tomb, Shahimadha, Taj Mahal, Fatehpur, (Sikri); Modern Indian art and Architecture 1700AD onwards: Bengal school, Colonial Architecture: General Introduction to Churches and Public buildings

Reference Books:-

1. Harle, J.C. Art and Architecture of Indian Subcontinent. Penguin 1986.
2. V.S. Agrawal. Indian Art Varanasi 1972.
3. Asher, Catherine. Architecture of Mughal India, Cambridge 1992
4. K.R. Srinivasan. Temples of South India. Delhi. 1972.
5. Z.A. Desai. Indo-Islamic Architecture, Delhi 1972.
6. S. Huntington and John. C. Huntington. The Art of India : Buddhist. Hindu, Jain NewYork. 1985
7. Agarwal V.S.- Indian Art, Vishwavidyalaya Prakashan (I April 2004)
8. Sharma. R.C. - Buddhist art of Mathura. Agam Kala Prakashan (1984)
9. Agarwal, V.S. - Gupta Art, Lucknow 1947
10. A.K. Coomarswamy : An Introduction to Indian and Indonesian Art, Publisher: Munshiram Manoharlal Publishers (14 Dec 1999)
11. Percy Brown; Indian Architecture (Buddhist and Hindu Period); Publisher- Read Books Design. 2010.
12. Krishna Deva; Temples of India, 2 Vols.; Aryan Books International 1995.
13. Moti Chandra; Indian Art; Publisher: Prince of Wales Museum of Western India; 3rd edition (1974)
14. Jonathan M. Kenoyer Oxford, Ancient Cities of the Indus Valley Civilization 1998

M/CMC B02 ECC: Indian Sculpture & Iconography.

6 Credits for theory

Credits 6

Total Marks 100

Unit I

Chronology & Style :Stone Sculpture : Proto Historical and Historical Periods : Indus valley (Metal); Yaksh Images (Mauryan, Shunga); Mauryan Capitals; Sculptures of Sunga & Satavahana (Bharhut, Sanchi, Amaravati); Kushan (Mathura & Gandhara); Gupta (Sarnath & Mathura) (Metal)

Unit II

Stone Sculpture: Early Medieval & Medieval Periods: Chalukya, Pallava, Rashtrakuta, Pratihara, Chandella, Chola(Metal), Hoyasala

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Unit III

Iconography: classification & identification: Brahmanical /Iconography (Vishnu, Shiva, Bramha); Buddhist iconography (Dhyani Buddhas and important Bodhisatvas, Tara, Prajnaparmita); Jain iconography.(Rishabhanath, Neminath, Parshvanatha and Mahavira)

Reference Books:-

1. Chandra, Prarnod : The.Sculpture of India 3000 B.C. - 300 A.D.
2. Agrawal, V.S. : Indian Art (Also in Hindi)
3. Bachhofer, L. : Early Indian Sculpture (2 Vols.)
4. Ray, N.R. : Maurya and Shunga Art.
5. Saraswati, S.K. : A Survey of Indian Sculpture
6. Harle, J.C. : Gupta Sculptures
7. Williams, Joanna G. : The Art of Gupta India-Empire and Province
8. Kramrisch, Stella : Indian Sculpture
9. Sivaramamurti, C. : Indian Sculpture,
10. Sivaramamurti, C. : South Indian Bronzes
11. Barren, D. : Early Chola Bronzes
12. Lippe, Achwin : Medieval Indian Sculpture
13. Huntington, S. : Pala Sculpture
14. Tiwari, M.N.P. & Giri, Kamal : Madhyakalina Bhartiya Murtikala (Hindi).
15. Padmanabh, K. : Hoyasala Sculptures
16. Czuna, S. : Kushan Sculpture: Images from Early India
17. Banerjee, J.N. : Development of Hindu Iconography
18. Desai, Kalpana : Iconography of Vishnu
19. Garg, R.S. : Shiva Pratimayen (Hindi)
20. Mishra, Indumati. : Pratima Vigyan (Hindi)
21. Bhattacharya, B.: Indian Buddhist Iconography
22. Bhattacharya, B.C. : Jain Iconography
23. Gupte, R.S. : Iconography of Hindu Buddhist and Jains.
24. Bhattacharya, D.C. : Studies in Buddhist Iconography
25. रीता प्रताप : भारतीय चित्रकला और मूर्तिकला का इतिहास

M/CMC B03 ECC Decorative Arts of India

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Credits 6

Total Marks 100

Unit I

Indian Textile: History on the basis of literary and archaeological data of Indian Textile; General introduction of Malmal, Jamdani (Dacca and Awadh), Kimkhab (Banaras, Gujarat and Kanchi Puram), Balachur, Kashmiri shawl, Himru; Fabrics: Tie dyed and printed; Embroidery: Fulkari, Chickan, Zardosi

Unit II

A brief history and types of Indian Jewellery and ornaments. Jewellery hoards from Indus Sites and Taxila; Types of Jewellery as revealed by sculpture; Enamellings (Minakari), Indian Jade, Repousse.

Unit III

Rajasthan Textile: Batik, Tye Dye; Block Printing- Dabu, Bagru, Sanganer; Rajasthan Jewellery: Minakari, Kundan, Thewa, Enameling beads, Silver, Stone (Precious/ Semi Precious) , Lac

Practical:- Prepare a practical file on the basis of any Textile/ Jewellery gallery

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Reference Books:-

1. Mukherji, T.N. : Art Manufactures of India
2. Badwood, G. : Industrial Arts of India
3. Brijbhushan, J. : Indian Jewellery, Ornaments and Decorative Design
4. Chaudhary, A.R. : Bidri Ware
5. Nigam, M.L. : Jade Collection in the Salar Jung, The Mughal Jades of India,
6. An age of splendour, Islamic art of India
7. Untracht, O. : Traditional Jewellery of India, 1997
8. Stronge, S. Smith, N. & Harle, J.C. : A Golden treasury: Jewellery from the Indian Subcontinent
9. मोविन्द चन्द्र राय: वैदिक काल में भारतीय आभूषण

M/CMC B04 ECC: Museum Trends and New Innovations.

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Credits 6

Total Marks 100

Objective: This paper has been designed to focus on the concept of New Museology and emerging trends in the field of Museology. This paper also gives an insight to various kind of museums at the National & International level.

UNIT - I

National Museums; State Museums; Regional Museums; University Museums; Site Museums Private Museums

UNIT - II

Art & Archaeological Museums; Anthropological Museums; Ethnological Museums; Natural History Museum; Science Museum

UNIT - III

Eco Museums, Virtual Museums, Children Museum, Wax Museum; Miscellaneous Museums: Underwater, Digital, Personalia, War ect.

Project:- To Make a Proposal to set any one of the Museums mentioned in Syllabus

Reference Books:-

1. Baxis and Divide; Modern Museums Organization and Practice in India
2. Morley Grace, Museum Today
3. Anupama Bhatnagar, Museum, Museology and New Museology
4. Various Journals of the Museum Associations
5. Sanjaya Jain, Museum and Museology


M/CMC B05 ECC: Project on Gallery of Museum

4 Credits for Written and 2 credits for Viva- Voce.

Written-70 & Viva- Voce-30 Marks.

Credits 6

Total Marks 100


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Centre for Museology & Conservation

University of Rajasthan

M.A. III Semester : Museology and Conservation — December 2017

Syllabus

S. No.	Course	Code	Subject	Total Credits		
				Theory (including Tutorials / Assignments / Seminar)	Practical	Credit
1.	M/CMC	301 CC	Museum Exhibition	4	2	6
2.	M/CMC	302 CC	Museum Architecture	4	2	6
3.	M/CMC	303 CC	Preservation of Architectural Heritage	4	2	6
4	M/CMC	C01 ECC	Tour Report & Viva- Voce Examination	Written Report	Viva-Voce	6
				4	2	
5	M/CMC	C02 ECC	Museums of India	4	2	6
6	M/CMC	C03 ECC	Indian Archaeology, I	4	2	6
7	M/CMC	C04 ECC	Elements of Epigraphy & Numismatics	-	-	6
8	M/CMC	C05 ECC	Cultural Heritage of India	-	-	6


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Semester III Exam December 2017

M/CMC 301 CC : Museum Exhibition

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Credits 6

Total Marks 100

Unit-I

General theories of exhibitions - visual elements of display, types of museum exhibitions, objectives of exhibition. Planning and Programming of exhibitions, Labeling and Audio Visual Aids. Kinds of exhibition furniture and accessories; Exhibition evaluation - need & methodology.

Unit - II

Designing of exhibits - Anatomy of exhibition, Concepts of design, Elements of design - colour, texture, layout, light, balance, rhythm, emphasis, unity, simplicity, proportions, etc. and principles for their effective use. Purposes and types of showcases; vertical cases, horizontal cases, pedestal cases, sloping cases, built-in case, dioramas, alcove cases etc. Factors governing design of showcases. Internal lightening in showcase, reflections, security and locking, dustproof display, open display, stand, plate form, pedestal, panels, screen etc. Different type of exhibition: Permanent, Public exhibition, Study collection exhibitions, Temporary exhibitions, Extra-mural exhibition, Ecological exhibition, Systematic exhibition, Thematic exhibition, Geographic exhibition, Chronological and Historical presentations etc.

Unit - III

Exhibition text - purpose, format and language. Methods of assessing readability and comprehensibility. Typography. Exhibition lighting - types of light, principal ranges of lamps for exhibition purposes and their characteristic features, fiber optics, track

Practical - Re-plan exhibition, Practical approach towards display techniques and methods.

Reference Books:

1. Nigam, M.L., Fundamentals of Museology (2nd ed.) Deva Publication, Hyderabad-1985.
2. Security in Museums: Proceedings in Honour of the Silver Jubilee Celebration of the Salarjung Museum, Hyderabad, Author- O. P. Agrawal, Publisher- Museum Assoc. of India, 1979
3. Thompson G. : Museum Lightings
4. Biswas, T.K.: Museum & Education, New Age International Pb. 1996
5. Ghosh, D.P. : Studies in Museums and Museology in India, Publications: Indian publication 1986
6. Agarwal O. P. Museum Architecture, Museum Association of India 1971.
7. Nelson, Jourge - Display, New York 1953.
8. Narth, F. J. - Museum label, Handbook for Museum for Curators, Museum Association Landon 1957.
9. Museum and Art gallery lighting: a Recommended Practices Series, Author- Illuminating Engineering Society of North America, Edition- illustrated, Publisher- IESNA, 1996
10. Manual of Museum Planning: Sustainable Space, Facilities, and Operations, Editors- Barry Lord, Gail Dexter Lord, Lindsay Martin, Publisher- Rowman Altamira, 2012
11. So You Want Good Museum Exhibitions, Author- V. H. Bedekar, Publisher- Department of Museology, Faculty of Fine Arts, University of Baroda: copies can be had from University Publications Sales Unit, University of Baroda Press, 1978

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M/CMC 302 CC: Museum Architecture
4 Credits for theory and 2 credits for Practical.
Theory-70 & Practical-30 Marks.

Credits 6
Total Marks 100

Unit - I

Planning and maintenance of Museum Building. Types - adapted buildings, purposely built buildings, single unit buildings, multi unit buildings, multi-storey buildings, etc. Public and Service area, acquaintance with architectural drawings.

Unit - II

Adaptation of old buildings as a museum, Problems and Prospects; Storage for reserve collection - aim and Techniques. Architecture in relation to lighting and ventilation. The building process-planning, construction and maintenance. Curatorial role in construction activity.

Unit - III

Security in terms of building. Technical requirements in terms of security, conservation, safety, disasters and calamities. Renovation & Expansion of museum buildings. Museum Climatology, Lighting in relation to museum architecture and exhibition.

Practical :- Report on Museum architecture (discussion in museum with curator or concern staff regarding museum architecture special reference to visitor's movements)

Reference Books :

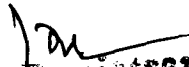
1. Nigam M.L. : Fundamentals of Museology, Publication- Navahind Prakashan, 1966
2. Agarwal O.P. : Security in Museums, Publication- Museums Association of India, 1979
3. Biswas, T.K.: Museum & Education, New Age International (P) Lt. 1996
4. Studies in Museum and Museology in India, Author- Deva Prasad Ghosh, Publisher- Indian Publications, 1968
5. Agarwal O. P. Museum Architecture, Museum Association of India 1971.
6. Nelson, Jourge - Display, New York 1953.
7. Narth, F. J. - Museum label, Handbook for Museum for Curators, Museum Association Landon 1957.
8. The Museum Environment, Butterworth-Heinemann series in conservation and museology, Author- Garry Thomson, Edition- illustrated, reprint, Publisher- Butterworths, 1986
9. So You Want Good Museum Exhibitions, Author- V. H. Bedekar, Publisher- Department of Museology, Faculty of Fine Arts, University of Baroda: copies can be had from University Publications Sales Unit, University of Baroda Press, 1978
10. Journal of Indian Museums, Volume 37, Publication- Museums Association of India., 1981

M/CMC 303 CC : Preservation of Architectural Heritage
4 Credits for theory and 2 credits for Practical.
Theory-70 & Practical-30 Marks.

Credits 6
Total Marks 100

Unit-I

Architectural heritage: meaning definition and classification. Need to preserving architectural heritage. History of architectural conservation. Present scenario in terms of their state of preservation. Initiatives take by the Govt. Agencies involved in conservation of architectural heritage. Public awareness program for preservation of built heritage.


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Unit-II

Approaches to architectural conservation: Prevention, Rehabilitation, Restoration and Reconstruction. Introduction to building materials used in ancient, medieval and present times. Need for hiring a conservation architect for a conserving a historic building.

Unit III

Common architectural conservation/preservation problems. Causes of deterioration. Control measure for damaging factors- climate, atmospheric and biological. Preventive measures and maintenance programs
General remedial measures. Repair and strengthening of structures. Documentation of preservation and conservation efforts. Ethics of architectural conservation.

Practical - Visit a site and record the state of preservation.

Reference Books:

1. Agarwal, O.P. : Conservation of cultural property in India, Published- Indian Association for the Study of Conservation of Cultural Property., 2005
2. Hari, C.V. - Materials for Conservation, Architectural Press, 1987.
3. Swarnkamal - Protection and Conservation of Museum Collection, Baroda, 1975.
4. Vatsa, M.S. - Conservation, Archaeology in India, New Delhi 1950.
5. Lukas, A. - Antiquities and their restoration and preservation, Landon - 1932.
6. Conservation of Cultural Heritage: Key Principles and Approaches, Author- Hanna Szczepanowska, Edition- illustrated, Publisher- Routledge, 2013
7. Plant Biology for Cultural Heritage: Biodeterioration and Conservation, Editors- Giulia Caneva, Maria Pia Nugari, M. P. Nugari, O. Salvadori, Contributor- Getty Conservation Institute, Edition- illustrated, Publisher- Getty Publications, 2008
8. Conservation of Cultural Heritage: Essays in Honour of Shri A.S. Bisht, Authors- Anand Singh Bisht, Kamal K. Jain, Publisher- Agam Kala Prakashan, 2009.

M/CMC C01 ECC :Tour Report & Viva-Voce Examination

4 Credits for Written Report and 2 credits for Viva-Voce.

Written Report-70 Marks & Viva-Voce -30 Marks.

Credits 6

Total Marks 100

M/CMC C02 ECC: Museums of India

4Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Credits 6

Total Marks 100

This paper covers the notable existing museums in India and in the state of Rajasthan. Syllabus also gives the Knowledge of the different new dimensions of Museums in India

Unit I

Prominent Museum of India:-National Museum, New Delhi, Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (formerly Prince of Wales museum), Bhau Daji Lad Museum, Mumbai; Salar Jung Museum, Hyderabad; Allahabad Museum, Allahabad; Indian Museum, Kolkata; Victoria Memorial, Kolkata

Unit II

Museums with alternative Approaches: Buddhist Museum, Nagarjunakonda; National Museum of Natural History, New Delhi; National Rail Museum; New Delhi, Shankar's International Dolls Museum, Delhi; Sulabh International Museum of Toilets, New Delhi; Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal; Ibn Sina Academy of Medieval Medicine and Sciences, Aligarh,

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Unit III

Museum of Rajasthan: City Palace Museum, Jaipur; Albert Hall Museum, Jaipur; Archaeological Museum - Amer, Jaipur ; Govt. Museum Ajmer, Bharatiya Lok Kala Museum, Udaipur; Govt. Museum, Bharatpur; Alwar Govt. Museum; Jodhpur Mehrangarh Museum; Umaid Bhavan Palace Museum Jodhpur; Arna Jharna, The Desert Museum of Rajasthan, Jodhpur

Practical: To make digital profile of any Museum of Rajasthan

Reference Books:-

1. Chakraborti, Shyamalkanti, 2004, The Indian Museum 1814-1914, Kolkata: Baptist Mission Press.
2. Choudhury, R.D., 1998, Museum of India and Their Melodies, New Delhi: Agam Kala Prakashan.
3. Donzwl, Catherine, 1998, New Museum, Paris: Telleri.
4. Hudson, Kenneth, 1997, Museums for the 1980s: A Survey of World Trends, Paris: UNESCO. Prakashan.
5. Lamugnani, Vittorio Magnago and Sachs, Museums for New Millennium: Concepts projects Buildings, Munich: Prestel.
6. Punja, Shobita, 1990, Museums of India, Hong Kong: The Guidebook Company Ltd.
7. Sivaramamurti, C., 1959, Directory of Museums in India, New Delhi: Ministry of Scientific Research & Cultural Affairs.
8. Carl E guthe, 1970 A guide to Management of small Museum ICOM, CECA- Frg 'Museum Padogogic' Bedekar Korlai Commanity Museum Vol. 31
9. A Short evaluation of recent Museums and Museology Movements, New Museology of India, Bedekar, NMI, New Delhi.
10. जैन सुंजय, म्यूसियम एवम् म्यूसियोलॉजी: एक परिचय, 2001 बड़ौदा

M/CMC C03 ECC : Indian Archaeology, Part I

4Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Credits 6

Total Marks 100

Unit I

Meaning and scope of Archaeology-its significance as a source of history. Archaeology in relation with Museum and other sciences- social and natural sciences. History of Indian Archaeology. New Archaeology- concept and its application in Indian context.

Unit II

Theories and Methods of Field Archaeology: Exploration, Excavation, Stratigraphy, Dating Recording. Under-Water archaeology- Indian studies.

Unit III

Origin of Man in India. Palaeolithic cultures of India- Lower, Middle and Upper Palaeolithic cultures- distribution, tool types and technology, associated culture. Mesolithic cultures- distribution, tool types and technology, associated culture. Development and expansion of Mesolithic age: Baghor, Rock shelter sites Bhimbetka, Langhnaj.

Practical:- Visit to any archaeological site and make report of the visit

Reference Books:-

1. D.P. Chakraborty, History of Indian Archaeology, from the beginning to 1947, Munshi Ram Manoharlal, Delhi 1988.
2. Webster G. Practical Archaeology : An Introduction to Archaeological Excavation, London, 1974.
3. Atkinson, R.J.C. Field Archaeology, London, 1952.
4. Crongn JM, The Elements of Archaeological Conservation, New York, 1990.
5. B.P. Sinha ed., Potteries in Ancient India.
6. I. Holdder, Theories of Archaeology.
7. R.E.M. Wheeler:- Archaeology from the Earth, a pelican book, 1974(also Hindi) Early India and Pakistan, London, 1966
8. Childe V. G.:- A short Introduction to Archaeology, New York, 1962
9. H. D. Sankalia :- Prehistory and Protohistory of Indian and Pakistan Poona 1974 Stone Age Tools- Their techniques, names and Probable Functions, Deccan College, Poona 1st ed., 1962 New Archaeology and its Application in India, Lucknow, 1977
12. Allchin B. & Allchin F. R.:- The rise of Civilization in India and Pakistan, Cambridge University press, 1982
13. A. Walter, Fairservis (Jr):- The Roots of Ancient India, New York, 1971
14. D. P. Agrawal:- The Copper and Bronze Age in India
15. Indian Archaeology: A Review (Relevant portions)
16. Puratattva (Bulletin of the Indian Archaeology society) (relevant Portions)
17. Pragdhara (relevant Portions)
18. Nayan jot Lahiri - History of Indian Archaeology.
19. पाण्डेय जे. एन, पुरातत्त्व विमर्श, अलाहाबाद, 1995
20. विदुला जयसवाल: भारतीय इतिहास के आदि चरण की रूप रेखा(पूरा-प्रस्तर काल) दिल्ली, 1987 भारतीय इतिहास का मध्य प्रस्तर काल दिल्ली, 1987 भारतीय इतिहास का नव प्रस्तर काल युग दिल्ली, 1987

M/CMC C04 ECC : Elements of Epigraphy & Numismatics

6 Credits for theory
Theory-100

Credits 6
Total Marks 100

Unit - I

Definition, Aim and Scope of Epigraphy, Relation between Epigraphy and museums / Museology. Definition, Aim and Scope of Numismatics, Relation between Numismatics and museums / Museology. Origin and antiquity of writing in India; Origin and antiquity of Indian coinage.

Unit - II

Preparation and Preservation of Records, Types of Records, Material used for writing or engraving, Acquaintance with basic forms of ancient Indian scripts.(Brahmi and Kharoshthi)

Unit - III

Finds of Coins - Hoards, Stray Finds, Finds form Excavation. Technology, Weight Standard, Metals and Metrology and Classification of coins.

Reference Books:-

1. Diringer, P., The Writing
2. Pandey, R.B., Indian Palaeography, Varanasi, 1969. हिन्दी- भारतीय पुरालिपि
3. Sircar, D.C., Indian Epigraphy, Varanasi, 1965.
4. Chakraborty, S.K., A Study of Ancient Indian Numismatics, Calcutta, 1973.
5. Kosambi, D.D., Indian Numismatics, Delhi, Orient Longman, 1981.

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- 6 Mukherjee B.N. technology of Indian Coinage, Calcutta, 1988.
7. Gopal, L. The right of minting coins in Ancient India, Jon. of Numismatics Society of India, Vol.XXII.
8. Chakraborty, S.K., Indian Numismatics From the Earliest Times to the Rise of the Imperial Guptas,
9. Mani, C. ed., A Macro Study of Early Indian Coins, Bhartiya Kala Prakashan, Delhi.
10. गुणाकर मुले, भारतीय सिक्कों का इतिहास
11. गुणाकर मुले, अक्षर- कथा
12. नारायण ए. के. एवं टी. पी. वर्मा, प्राचीन भारतीय लिपिशास्त्र एवं अभिलेखिकी, वाराणसी, 1965
13. ओझा गौरीशंकर हीराचन्द्र, भारतीय प्राचीन लिपिमाला, 1971, दिल्ली
14. गुप्त परमेश्वरी लाल, प्राचीन भारतीय मुद्राएँ, वाराणसी
15. गुप्त परमेश्वरी लाल, भारत के पूर्व कालिक सिक्के, वाराणसी

M/CMC C05 ECC: Cultural Heritage of India

6 Credits for theory

Theory-100

Credits 6

Total Marks 10

Unit I

Concepts of Cultural Heritage: Social, Culture and Religious heritage; Myths and Legends, Traditions; Literary and Archaeological Sources; Social Traditions: Varna, Jati, Ashrama, Tirtha, Tirtha- Yatra; Samsakara, Position of women.

Unit II

Religion and Philosophy: Vedic, Jainism, Buddhism, Islamic, Christianity and tribal belief systems and Religious literature of India.

Unit III

Educational and Scientific Developments: in Ancient India: Important Centers of Learning, Sciences; Mathematics, Astronomy and Calendar, Medicine, and metallurgy

Reference Books:-

1. Ainslie, T. Embree. 1991. Sources of Indian traditions. 2 Vols. Penguin Books
2. Banerjee, B. N. 1979. Hindu Culture, Custom and Ceremony, Delhi
3. Basham, A. L. 1989. The Wonder that was India, Delhi
4. Chattopadhyaya, D. P. 1992. Studies in Indian Culture, 2 Vols. Calcutta.
5. Frawley, David 1997. Hinduism. Delhi
6. Kosambi, D.D. 1975. The Culture and Civilization of Ancient India. Delhi
7. Mandalbaum. Caste in India: Change and Continuity, Bombay
8. Majumdar, R. C. 1994. Ancient India, Delhi
9. Pande G.C. 1995 Foundations of Indian Culture. 2 Vols. Delhi
10. Pandey, Rajbali. 1994. Hindu Samskaras. Delhi
11. Radhakrishnan, S, et.al. 1993. The Cultural heritage of India(6 Vols.). The R. K. Mission.
12. Subbarayappa, B. V. 1988. Scientific Heritage of India. Bangalore.
13. Sri Aurobindo: The Foundations of Indian Culture
14. जयचन्द्र विद्यालंकार, भारतीय संस्कृति

[Signature]
 Dr. D. Bhatnagar
 (Principal)
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Centre for Museology & Conservation

University of Rajasthan

M.A. IV Semester : Museology and Conservation Exam June 2018

Syllabus

S. No.	Course	Code	Subject	Total Credits		
				Theory (including Tutorials / Assignments / Seminar	Practical	Credit
1.	M CMC	401 CC	Museum Publication	4	2	6
2.	M CMC	402 CC	Museum Photography and Techniques	4	2	6
3.	M CMC	403 CC	Dissertation & Viva- Voce	Written	Viva- Voce	6
				4	2	
4	M CMC	D01 ECC	Monuments of Rajasthan : General Survey	-	-	6
5	M CMC	D02 ECC	Anthropology & Heritage	-	-	6
6	M CMC	D03 ECC	Indian Archaeology, II	4	2	6
7	M CMC	D04 ECC	History of Indian Painting	-	-	6
8	M CMC	D05 ECC	History of Ecology and Environment in India	4	2	6


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Semester IV

M/CMC 401 CC : Museum Publication

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Credits 6

Total Marks 100

Unit - I

Historical development of Museum Publication, Definition of museum Publication, Publication as a museum function and its significance, Range and type of Museum publications.

Unit-II

Research Publication : Guided handbook, Promotional leaflet, Article, Information sheet, Catalogue, Brochures, Posters, Picture post cards, etc.

New media- Videos, CD, DVD, webpage, newsletter, e-cards.

Copy write act related to Museum publication.

Unit-III

Production and Publication Methodology : Text for publishing-Research, Writing, Proof reading, Typescript, Picture research and selection. Type of paper (size and weight in reference of different type of publication). Methods of printing and binding- Screen printing, In house printing (Desktop printing). Acquisition of Publications

Practical;- To Propose brochures or pamphlets for any existing museum of Jaipur

Reference Books:

1. Timothy Samara, Publication Design: A Real-World Design Guide, Edition-illustrated, reprint, Publisher- Rockport Publishers, 2007
2. Museum Publication, Volumes 90-115, Contributor- Manchester Museum (University of Manchester), Publisher- Manchester Museum, The University of Manchester., 192

M/CMC 402 CC : Museum Photography and techniques

4 Credits for theory and 2 credits for Practical.

Theory-70 & Practical-30 Marks.

Credits 6

Total Marks 100

Unit - I

Ancillary museum techniques: Importance of photography in Museums. Basis principles of photography. Importance of light and its control. Types of cameras - SLR, Digital, Digital SLR Camera. Types of lenses, films, filters and other accessories.

Unit - II

Procedures of museum photography. Practical exercise of taking photographs of different types of museum objects, and photo-documenting conservation process. Copying and scanning of photographic and archival collections. Photography of museum objects, moulding and casting, and taxidermy-preparation of cabinet specimen.

Unit - III

Preservation issues and guidelines for safe handling and positioning of objects for photography, and protection from effects of UV, intense light, heat buildup due to IR and cycles of heating and cooling. Introduction to printing. Types of prints. Editing (managing colour, brightness and contrast, all over image light, and cropping and sizing) of digital images for documentation, presentation and publication using Photoshop and CorelDraw.

Practical - Submission of 10 photographs on given subject size-6x8 inches

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Reference Books:

1. Photography in Archaeology and Conservation, Cambridge Manuals in Archaeology, Author- Peter G. Dorrell, Edition- illustrated, revised, Publisher- Cambridge University Press, 1994
2. Career Opportunities in Photography, Career Opportunities Series, Authors- George Gilbert, Pamela Fehl, Publisher- Infobase Publishing, 2006
3. Photography: The Key Concepts, Author- David Bate, Edition- illustrated, Braille, Publisher- Berg, 2009

M/CMC 403 CC : Dissertation & Viva-voce

4 Credits for Dissertation and 2 credits for Viva-voce
Written -70 & Viva-voce -30 Marks.

Credits 6
Total Marks 100

M/CMC D01 ECC : Monuments of Rajasthan: General Survey

6 Credits for theory
Theory-100 Marks.

Credits 6
Total Marks 100

Unit - I

Forts and Fortified towns : Jaisalmer, Chittor, Ranthanbor, Kumbhalagarh, Jaigarh. Palaces: Mehrangarh, Deega. Religions Monuments Temples: Ossian, Dilwara, Kiradu, Ranakpur . Yupa stambha & Devalis

Unit - II

Cenotaphs - Cenotaphs of Digambar Jain Saints at Ajmer, Moosi Rani ki Chhatari at Alwar, Cenotaphs of rulers of Udaipur, Bikaner, Jodhpur, Alwar, Jaipur, Kota, Jaisalmer. Havellis - Havellis of Shekhawatis, Jaisalmer.3

Unit - III

Mughal Architecture with special reference to tombs of Abdulla khan and his wife at Ajmer, Mughal gate of Bairat. Waterwells and Stepwells of Rajasthan: Wells of Jhunjhunu and Chand Baori of Abhaneri and Raniji ki Baori, Bundi. Dam architecture : Rajsamand.

Reference Books:

1. Protected Monuments of Rajasthan, Chandramani Singh ed., Protected Monuments of Rajasthan.
2. Chandramani Singh, Art Treasure of Rajasthan, Vol. I, Jawahar Kala Kendra & Pub. Secheme, Jaipur.
3. Jain, K.C., Ancient Cities and Towns of Rajasthan, Delhi 1972.
4. Misra, R.L., Forts of Rajasthan.
5. Misra, R.L., Sagas of Forts and Fortification of Rajasthan.
6. Misra, R.L., Cenotaphs of Rajasthan
7. Upadhyaya, Vibha. Yupa Inscription : A Review, Revealing India's Past, Recent Trends in Art and Archaeology, Prof. Ajay Misra Shastri Commemoration Volume, New Delhi 2003.
8. Agarawal, R.C., Rajasthan ke Yupa Stambha tatha Vedic Yajna, Nagiri Pracharini Patrika, Kashi, Samvat 2011.
9. Jain, Shikha, Havellies, A Living Tradition of Rajasthan, Subhi Publication, Gurgaon.
10. Sarda, Harbilas: Ajmer.
11. Mishra, R.L. Mortuary Architecture of Rajasthan.
12. मनोहर राघवेन्द्र सिंह, राजस्थान के प्रमुख दुर्ग, राजस्थान ग्रंथ अकादमी, जयपुर
13. सिंह वाई. डी., राजस्थान के कूँ एवं बावड़ियाँ

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M/CMC D02 ECC : Anthropology & Heritage

6 Credits for theory

Theory-100 Marks.

Credits 6

Total Marks 100

Unit - I

Definition, Aims and Scope of Anthropology, Relation between Anthropology and museums / Museology, with social Science, life sciences and medical sciences Study of Ecology & Environment, Sources - stories, myth & Folk.

Unit - II

Introduction to Anthropology and relation with Archaeology; Branches of Anthropology; Cultural anthropology, Linguistic anthropology, Biological anthropology in reference to collection in Museums of India.

Unit - III

Definition of tribe, classification of Indian Tribes. Tribal Economy & subsistence: Hunting-gathering, Herding Agriculture, Smithy etc. Settlements and shelters Tangible and Intangible heritage - art and craft of Rajasthan, folk culture (dances, literature, dialects) of various ethnic groups of Rajasthan.

Reference Books:

1. Cultural Heritage of Indian Tribes, Author- Prakash Chandra Mehta, Contributor- Sonu Mehta, Publisher-Discovery Publishing House, 2007
2. Jan Vansina, Oral Tradition as History, Edition- illustrated, reprint, Publisher- James Currey Publishers, 1985
3. Ranveer Singh, Management of Tribal Development: A Case Study of Rajasthan Lamba, Publisher- Panchsheel Prakashan, 1994
4. Tribe: The Bulletin of the Tribal Research Institute, Udaipur, Volume 8 of Tribe, Tribe, Contributor- Tribal Research Institute (Rajasthan, India), Publisher- Tribal Research Institute., 1971
5. Prakash Chandra Mehta, Changing face of Bhils, Publisher- Shiva Publishers Distributors, 1998
6. Anita Srivastava Majhi, Tribal Culture, Continuity, and Change: A Study of Bhils in Rajasthan Edition- illustrated, Publisher- Mittal Publications, 2010
7. Shambhu Lal Doshi, Narendra N. Vyas, Tribal Rajasthan: Sunshine on the Aravali, Publisher- Himanshu Publications, 1992
8. Keshari N. Sahay, Visual Anthropology in India and Its Development, Publisher- Gyan Books, 1993.
9. A Prakash, Rajasthan Folk Art, Delhi.
10. Beals and Hoijer. Introduction to Anthropology, New York. 1959
11. Evans, Pritchard. Social Anthropology, Illinois 1954
12. Fordes, D. Geographical Introduction to Ethnology: : Habitat, Economy and Society London 1934
13. Kroeber, A. L. Anthropology. London 1955
14. Leakey, R. E. The Making of Mankind. New York
15. नीरज जयसिंह एवं वर्मा भगवती लाल, राजस्थान की सांस्कृतिक परम्परा, राजस्थान साहित्य अकादमी, जयपुर।
16. माथुर, कमलेश, हस्तशिल्प कला विविध आयाम, जयपुर।
17. चुडावत लक्ष्मी कुमारी एवम् स्वर्णकार रमेश चन्द्र, राजस्थान के रिति रिवाज, जयपुर।
18. आहूजा, डी. आर., राजस्थान लोक संस्कृति और साहित्य, नेशनल बुक ट्रस्ट, दिल्ली, 2002
19. राम पाण्डेय सम्पादित, राजस्थान की लोककला, शोधक, जयपुर, 2010.
20. माथुर, विद्यार्थी एवं सिंह: मानवशास्त्र की रूप रेखा

M/CMC D03 ECC: Indian Archaeology, Part II

4 Credits for theory and 2 credits for Practical.
Theory-70 & Practical-30 Marks.

Credits 6
Total Marks 100

Unit I

Origin and expansion of Neolithic cultures- regional patterns. Chalcolithic village communities and cultures- regional patterns and characteristic features. Pre- Harappan cultures: Baluchistan, sindha- Haryana, Panjab, Rajasthan.

Unit II

Theory of Urbanization of the Bronze Age. Indus-Saraswati valley civilization: origin, extent, chronology, main characteristics, architecture, script, new discoveries, decline. Devolution of Harappa culture in Gujarat, Punjab and Haryana. Later Harappan: Rajasthan, Survival & continuity.

Unit III

Problems pertaining to O.C.P. and copper hoards. Black and red Ware, P. G. W. and N. B. P. Ware cultures- A brief survey. Post Harappan culture- sequence in the Deccan and South-Megalith types and related material culture. Early Iron Age & Urbanization

Practical:- To make Chart of Pre Historic Potteries

Reference Books:-

1. D.P. Chakraborty, History of Indian Archaeology, from the beginning to 1947, Munshi Ram Manoharlal, Delhi 1988.
2. Webster G. Practical Archaeology : An Introduction to Archaeological Excavation, London, 1974.
3. Atkinson, R.J.C. Field Archaeology, London, 1952.
4. Crongn JM, The Elements of Archaeological Conservation, New York, 1990.
5. R.C. Gaur ed., Painted Grey Ware.
6. B.P. Sinha ed., Potteries in Ancient India.
7. I. Holdder, Theories of Archaeology.
8. Baquir Mohammad - Islamic Pottery - Marg Vol. XIV No. III, June 1961.
9. R.E.M. Wheeler:- Archaeology from the Earth, a pelican book, 1974(also Hindi)
Early India and Pakistan, London, 1966
10. J. Marshall (ed.) Mohenjo-daro and the Indus Civilization, 3 Vols., Arthur Probsthain, London, 1931
11. Gregory L. Possehle :- The Indus Civilization: A contemporary Perspective, Vistaar Publications, New Delhi, 2003
(ed.) Ancient Cities of the Indus, Vikas Publishing House, New Delhi, 1979
(ed.) harappan Civilization: A Recent Perspective, America Institute of Indian Studies, Oxford University and IBH, New Delhi, 1979
12. B. Lal : India 1947-1997: New Light on the Indus Civilisation, New Delhi, 1998
: The Earliest Civilisation of South Asia (Rise, Maturity and Decline), Arya Books International, New Delhi, 1997
13. S.R. Rao : Lothal and the Indus Civilisation, Asia Publishing House, New Delhi, 1973
: The Dawn and Devolution of the Indus Civilisation, Aditya Prakashan, New Delhi, 1991
14. K. K. Thapalyal and S. P. Shukla: Sindhu Sabhyata (in Hindi), Lucknow, 1976
15. D. P. Agrawal: The copper and Bronze Age in India
16. Indian Archaeology: A Review (Relevant portions)
17. Ancient India (Relevant portions)
18. Puratattva (Bulletin of the Indian Archaeology Society) (Relevant portions)
19. Man and Environment (Relevant portions)
20. ज. ए. पाण्डेय, पुरातत्त्व विमर्श, अलाहाबाद, 1995

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M/CMC D04 ECC : History of Indian Painting
6 Credits for theory
Theory-100 Marks.

Credits 6
Total Marks 100

Unit I

Prehistoric paintings Geographical distribution of rock shelter across the country: Bhimbetka, Mirzapur, Gulberga, Adamgarh, Sambalpur, Pachmari ect. chronology, subject matter, magico-ritual significance,

Unit II

Historical phases patronage and textual references to the techniques of mural paintings as described in shilpa texts - Vishnudharmottaram purana and other texts. Distribution of frescos / mural painting across the country, detailed study of Ajanta and Bagh cave groups .

Unit III

Sultanate school of paintings, Deccani school of painting: Bijapur, Golconda, Ahamadnagar, Aurangabad; Mughal paintings, Sources - Persian, Indian, European; Historical development of Mughal paintings from Babur to late Mughals; Changes in 19th Century (Pre Independence canpany school India)

Reference Books:

1. Chandra, Moti : Studies in Early Indian Painting ,1974
2. Brown, P.: Indian Painting under the Mughal, reprint, 2003
3. Brown, P.: Indian Painting, 1918
4. Kramrisch, S.: Survey of Painting in the Deccan
5. Manoranjan, Ghosh. Rock Paintings and Other Aniquities of Prehistoric and later times. Memoir of Archaeological Survey of Indian, 24, 1932
6. Beach, Milo, Mughal and Rajput Paintings, Delhi.1992
7. S. P. Verma, Mughal Painters and Their Work: A Biographical Survey and Catalogue Delhi, 1994
8. Moti Chand. Mewar Painting
9. A.K. Coomaraswamv. Rajput Paintings
10. रीता प्रताप : भारतीय चित्रकला और मूर्तिकला का इतिहास
11. राय कृष्ण दासभारत की चित्रकला
12. जगदीश गुप्ता, प्रागैतिहासिक चित्रकला, दिल्ली,1967

M/CMC D05 ECC : History of Ecology and Environment in India
4 Credits for theory and 2 credits for Practical.
Theory-70 & Practical-30 Marks.

Credits 6
Total Marks 100

Unit-I

Concept of Ecology and Environment, Scope, Relevance and Approaches of Study of Ecology and Environment, Various Components of Ecology and Environment. Different types of environmentalism : Deep ecology, Social ecology, Radical ecology. Environment and Ecology in Indian ethos and philosophy : Vedic, Jain, Buddhist. Ecological and environmental zones-physical, linguistic, climatic Environment and social formations-pastoral, agriculture, non-agricultural, forest.

Unit-II

Water management in Harappan cities, Gardens in Medieval India; Colonial intervention and Environmental consciousness in Modern India: Eco-tourism, tribal culture, Chipko movement.

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Unit III

Ecology and Identity : folk and tribal Culture of Rajasthan and ecology, role of folk deities and cults of Rajasthan in environmental preservation.

Ecology and Livelihood practices in Rajasthan, water management in Rajasthan traditional structures and community participation.

Practical:- To prepare survey report on any indigenous water harvesting Structure.

Reference Books:-

1. Mahesh rangarajan and K. Sivaramakrishnan, *India's Environmental History*, 2 Vols.,
2. Permanent Black, Ranikhet, 2011
3. Ramchandra Guha, *Environmentalism, A Global history*
4. E.F. Schumacher, *Small is Beautiful*, Harper Perenniale, 1989
5. Pankaj Jain, *Dharma and Ecology in Hindu Communities*, Ashgate, 2011
6. Agrawal, Arun, *Environmentality*, Oxford University Press, 2005.
7. Arnold, David (ed.), *Nature, Culture and Imperialism*, OUP, 1996.
8. Gadgil, Madhav and Guha Ramachandra, *This Fissured Land*, OUP, 1993.
9. Griffiths, Tom and Robin, Libby, Ed, *Ecology and Empire*, 1997.
10. Grove, Richard, *Ecology, Climate and Empire*, OUP, 1998.
11. Grove, Richard, *Green Imperialism*, OUP, 1995.
12. Guha, Sumit, *Environment and Ethnicity in India*, Cambridge University Press, 1999.
13. Rajan, S. Ravi, *Modernizing Nature*, Orient Longman, 2008.
14. Saberwal, Vasant, and Rangarajan, Mahesh (ed.), *Battles over Nature*, Permanent Black, 2005.
15. Sivaramkrishnan, K., *Modern Forests : Statemaking and Environmental Change in Colonial*
16. *Eastern India*, Stanford University Press, 1990.
17. Skaria, Ajay, *Hybrid Histories*, OUP, 1999.
18. Worster, Donald, *Nature's Economy*, Sierra Club Books, 1977.
19. अनुपम मिश्रा, अभी भी खारें है तालाब
20. अनिल अग्रवाल संपादित बुदों की संस्कृति
21. अनुपम मिश्रा, रजत की बूंदे
22. भवनेश जैन, ओरण


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