



**CBCS CURRICULUM OF
M.A. ARCHAEOLOGY & MUSEOLOGY
PROGRAMME**

SUBJECT CODE = ARM

FOR POST GRADUATE COURSES UNDER RANCHI UNIVERSITY



Implemented from
Academic Session 2018-2020

Members of Board of Studies for CBCS Syllabus of M.A. Archaeology & Museology under University Department of History, Ranchi University, Ranchi.

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COURSE STRUCTURE FOR M.A. IN ARCHAEOLOGY & MUSEOLOGY PROGRAMME

Table AI-1: Distribution of 80 Credits for Subjects having Practical Papers

[*wherever there is a practical examination there will be no tutorial and vice –versa.]

Course	Papers	Credits Theory + Practical	Credits Theory + Tutorial
I. Foundation Course (FC)			
1. Foundation Course Compulsory Foundation/ Elective Foundation	(FC) 1 Paper	1X5=5	1X5=5
II. Core Course (CC)			
Theory	(CC 1 to 10/11) 7 Papers/11 Papers	7X5=35	11X5=55
Practical/ Tutorial*	3 Papers/-----	3X5=15	
Project	1 Paper	1X5=5	1X5=5
III. Elective Course (EC)			
A. Ability Enhancement Course of the Core Course opted	(AE/EC 1) 1 Paper	1X5=5	1X5=5
B. Discipline Centric Elective Theory + Practical	(DC/EC 2&3) 2 Papers 1 Paper	2X5=10 1x5=5	
OR Theory/Practical/Tutorial*	1Paper + 1 Practical/Dissertation		2X5=10
OR Generic Elective/ Interdisciplinary (GE/EC 2&3)			
Theory OR	2 Papers		
Theory/Practical/Tutorial*	1 Paper + 1 Practical/Dissertation		
Total Credit = 80			= 80

Table AI-1.1: Course structure for M.A. Programme

Semester	Subject (Core Courses) 12 Papers	Allied (Elective Courses) 3 Papers	Foundation Course (Compulsory Course) 1 Paper	Total Credits
Sem-I	C-1, C-2, C-3 (5+5+5=15 Credits)		Foundation Course FC (05 Credits)	20 Credits
Sem-II	C-4, C-5, C-6, C-7 (5+5+5+5=20 Credits)			20 Credits
Sem-III	C-8, C-9, C-10 (5+5+5=15 Credits)	EC1 (05 Credits)		20 Credits
Sem-IV	C-11, (05 Credits) C-12 (Project) (05 Credits)	EC2, EC3 (5+5=10 Credits)		20 Credits
Total = 80 Credits				

COURSES OF STUDY FOR POSTGRADUATE M.A. IN ARCHAEOLOGY & MUSEOLOGY PROGRAMME

Table AI-2 Subject Combinations allowed for M. A. Programme (80 Credits)

Foundation Course FC 1 Paper	Core Subject CC 12 Papers	Ability Enhancement Course AE 1 Paper	Discipline Centric Elective/ Generic Elective Course DC/ GE 2 Papers
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Table AI-2.1 Semester wise Examination Structure for Mid Sem & End Sem Examinations:

Sem	Core, SE/GE/DC & Compulsory FC Courses			Examination Structure		
	Paper	Paper Code	Name of Paper	Mid Semester Evaluation (F.M.)	End Semester Evaluation (F.M.)	End Semester Practical/ Viva (F.M.)
I	Foundation Course	FCARM101	Indian History (Earliest Period to 1707 A.D)	30	70	---
	Core Course	CCARM102	Definition, Aims and Scope of Archaeology	30	70	---
	Core Course	CCARM103	Introduction to Museum and Museology	30	70	---
	Core Course	CCARM104	Museum Management, Administration and Budgeting	30	70	---
II	Core Course	CCARM201	Collection Management	30	70	---
	Core Course	CCARM202	Prehistory and Protohistory of South Asia	30	70	---
	Core Course	CCARM203	Methods and History of Archaeology	30	70	---
	Core Course	CCARM204	New Museum Trends and Public Relation	30	70	---
III	Ability Enhancement Course	ECARM301	Indian Palaeography & Epigraphy and Numismatic	30	70	---
	Core Course	CCARM302	Early Indian Iconography	30	70	---
	Core Course	CCARM303	Museum Care & Conservation	30	70	---
	Core Course	CCARM304	Museum Architecture	30	70	---
IV	Elective	ECARM401	Exhibition & Education	30	70	---
	Elective	ECARM402	Indian Architecture	30	70	---
	Core Course	CCARM403	Scope of Archaeology and Museums in Jharkhand	30	70	---
	PROJECT/ Dissertation	PRARM404	Dissertation	---	---	70 + 30

SEMESTER I**4 Papers****Total 100 x 4 = 400 Marks****I. COMPULSORY FOUNDATION COURSE [FCARM101]:**

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto 75%, 1 mark; 75 < Attd. < 80, 2 marks; 80 < Attd. < 85, 3 marks; 85 < Attd. < 90, 4 marks; 90 < Attd., 5 marks).

INDIAN HISTORY (EARLIEST PERIOD TO 1707 A.D)**Theory: 60 Hours; Tutorial: 15 Hours****Unit 1: Sources of History**

- i. Archaeological
- ii. Literary
- iii. Foreign accounts

Unit 2: Emergence of political institutions in ancient India

- i. Vedic Age – Socio- Economic- and Religious life. .
- ii. Empire: Definition, Concept and emergence
- iii. Rise of Magadhan Empire
- iv. Persian and Greek Invasions: Causes and Impacts

Unit 3: Mauryan and Post-Mauryan India

- i. Chandragupta Maurya and Bindusara
- ii. Ashoka, his successors and decline of the Mauryas
- iii. Shunga, Kanva, Indo-Greek, Indo-Scythian and Indo-Parthian dynasties

Unit 4: Kushana and Satavahana Period

- i. Rise of the Kushana Power
- ii. Kanishka and his successors
- iii. Satavahana genealogy and chronology

Unit 5: The Guptas

- i. Origin, genealogy and early history

- ii. Samudragupta
- iii. Chandragupta II, Kumaragupta I and Skandagupta
- iv. Successors of Skandagupta and decline of the Guptas

Unit 6: The Vakatakas and Post Vakatakas

- i. Origin and Early History
- ii. Nandivardhan and Vatsagulma branches of the Vakatakas
- iii. Chalukyas of Badami
- iv. Pallavas and Pandyas

Unit 7: Post Gupta Period in North India

- i. Huna Invasion
- ii. Maitrakas of Valabhi
- iii. History of Later Guptas, Career and Achievement of Sasanka
- iv. Yashovarman of Kannauj
- v. Pushyabhutis of Thaneshwar: Harshavardhana
- vi. History of Palas, Pratiharas, Rastrakutas. Tripatite struggle.
- vii. History of Late Medieval Period (Sultanate and Mughal Period)

Recommended Readings:

- Ali, B. Shaik. 1978. *History: Its Theory and Method*, Madras: Macmillan India Ltd.
- Allchin, F.R. 1995. *The Archaeology of Early Historic South Asia; The Emergence of Cities and States*. Cambridge: Cambridge University Press.
- Bajaj, S.K. 1998. *Recent Trends in Historiography*. New Delhi: Anmol Publications Pvt.Ltd.
- Beihethll. 1971. *Enlightenment Historiography Three German Studies: History and Theory Studies in the Philosophy of History*. Wes Leyan University.
- Bhattacharya, N. N.1988. *Ancient Indian History and Civilization*. New Delhi: Manohar.
- Bosworth, A. B. 1995. *A Historical Commentary on Arrians History of Alexander*. New York: Oxford University Press.
- Bongard-Levin, G. 1985. *Mauryan India*. Delhi: Oxford University Press.
- Burke, P. (ed.). 2001. *New perspectives on Historical Writings*. Cambridge: Blackwell publishers.
- Devahuti, D. 1970. *Harsha – A Political History*. Oxford: Clarendon Press.
- Chattopadhyaya, D.P. 2001. *The Ways of Understanding Human Past*. New Delhi: Center for Studies in Civilizations.
- Colledge, M. A. R. 1986. *The Parthian Period*. Leiden: Brill Academic Publishers.
- Goyal, S.R. 1986. *Harsha and Buddhism*. Meerut: Kusumanjali Prakashan.
- Haskell, F. 1993. *History and its Images: Art and the interpretation of the past*. London: Yale University Press.
- Heninge, D. 1974. *Chronology of Oral Tradition*. London: Clarendon Press.
- Kejariwal, O. P. 1988. *The Asiatic society of Bengal and the Discovery of India's Past 1784-1838*. Delhi: Oxford University Press.
- Kimura, Masaki & Tanabe Akio (eds.) 2006. *The State in India, Past and Present*. New Delhi: Oxford University Press.
- Kosambi, D.D. 1985. *An Introduction to the Study of Indian History*. (Reprint) Bombay: Popular Prakashan.
- Law,B.C. 1954. *Historical Geography of Ancient India*. Delhi: Munshiram Manoharlal Pvt. Ltd.
- Lemon, M.C. 2003. *Philosophy of History*. New York: Routledge.
- Leeuw J.E.Van Lohvizen-De 1995. *The Scythian Period*. New Delhi: Munshiram Manoharlal Pvt. Ltd.
- Mujumdar, R.C. And A.D. Pusalkar (eds.). 1950. *The Vedic Age*. Bombay: Bharatiya Vidya Bhavan.
- Mujumdar, R.C. (ed.). 1966. *The Age of Imperial Unity*. Bombay: Bharatiya Vidya Bhavan.
- Mujumdar, R.C. (ed.). 1970. *The Classical Age*. Bombay: Bharatiya Vidya Bhavan.

- Mujumdar, R.C. (ed.). 1971. *The Age of Imperial Kannauj*. Bombay: Bharatiya Vidya Bhavan.
 - Mujumdar, R.C. (ed.). 1972. *The Struggle for the Empire*. Bombay: Bharatiya Vidya Bhavan.
 - Mujumdar, R.C., H.C. Roychoudhuri and K.Datta (ed.). 1961. *Advanced History of India*. London: Macmillian.
 - Majumdar, R. K. & Srivastava A.N. 1975. *Historiography*. Delhi: Surjeet Book Depot.
 - Mukherjee, B. N. 1988. *The Rise and Fall of the Kushana Empire*. Calcutta: Firma KLM Pvt. Ltd.
 - Mirashi, V.V. 1981. *The History and Inscriptions of the Satavahanas and the Western Kshatrapas*. Bombay: State Board of Literature.
 - Narain, A.K. 1957. *The Indo-Greeks*. Oxford: Oxford University Press.
 - Ramesh, K.V.1984.*Chalukyas of Vatapi*. Delhi: Agam Kala Prakashan.
 - Roychoudhuri, H.C. 1950. *Political History of Ancient India* (5th edition). Calcutta: University of Calcutta.
 - Sharma, G. R. (ed.). 1968. *Kushana Studies*. Allahabad: University of Allahabad.
 - Sharma, J. P. 1968. *Republics in Ancient India*. Leiden: Brill.
 - Sharma, R. S. 1965. *Indian Feudalism*. Calcutta: University of Calcutta.
 - Sharma R.S. 2005. *India's Ancient Past*. New Delhi: Oxford University Press.
 - Shastri, A.M. (ed.). 1999. *The Age of Satavahanas* 2 vols. New Delhi: Aryan Publications.
 - Shastri, A.M. (ed.). *The Age of Vakatakas* 2 vols. New Delhi: Harman Publishing House.
 - Shastri, K.A.N. 1952. *The Age of the Nandas and Mauryas*. Banaras: Motilal Banarasidas.
 - Shastri, K.A.N. 1957. *A Comprehensive History of India vol.I (The Mauryas and Satavahanas)*. Bombay: Oriental Longman.
 - Shastri, K.A.N. 1966. *History of South India* (3rd edition). Oxford: Oxford University Press.
 - Singh Upinder 2009. *A History of Ancient and Early Medieval India*, Delhi: Pearson.
 - Sreedharan, E.2000. *A Textbook of Historiography 500 B.C. to A.D.2000*. New Delhi: Orient Longman.
 - Strong, J. S. 1983. *The legend of King Asoka*. New Delhi: Motilal Banarasidass.
 - Taddel Maurizio (Trans. Higarh James). 1970. *The Ancient Civilization of India*. London: Barie and Jenkins.
 - Thapar, Romila 1973. *Ashoka and the Decline of the Mauryas* (2nd edition). Oxford: Oxford University Press.
 - Thapar, Romila 1992, *Interpreting Early India*. Delhi: Oxford University Press.
 - Vansina, J. 1985. *Oral Tradition as History*. Wisconsin: university Press.
 - Veluthat, Kesavan 2009. *The Early Medieval History of South India*. New Delhi: Oxford University Press.
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II. CORE COURSE [CCARM102]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100**Pass Marks (MSE:17 + ESE:28)=45*****Instruction to Question Setter:******Mid Semester Examination (MSE):***

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

DEFINITION, AIMS AND SCOPE OF ARCHAEOLOGY**Theory: 60 Hours; Tutorial: 15 Hours****Unit 1: Definition, Aims and Scope of Archaeology**

- i. Archaeology as the study of the past: Definition. Aims, scope and methods
- ii. Archaeology and other sciences (Social and Natural)
- iii. Archaeology, History and Anthropology: Differences and similarities

Unit 2: Development of Archaeology

- i. In Europe and Africa
- ii. In India

Unit 3: Evolution of Culture (Human origin to complex societies with special reference to India.

- i. African roots and human origins.
- ii. Development of Palaeolithic Culture.
- iii. Development of Mesolithic culture (environmental changes and hunting-gathering adaptation around 10,000BC)
- iv. Transition from hunting gathering to agriculture
- v. Origin of Neo/Chalco- Neolithic Revolution and other competing theories
- vii. Rise of civilizations (theory; basic outline of World Civilizations)

Unit 4: Theoretical Foundations in Archaeology

- i. Antiquarian period to Traditional Archaeology
- ii. New Archaeology/ Processual Archaeology
- iii. Post Processual Archaeology
- iv. Where are we now? Contemporary approaches to Archaeological Theory

Recommended Readings:

- Binford, L.R. 1972 Introduction. *An Archaeological Perspective*, pp. 1–14. Seminar Press, New York.
- Chakrabarti, D.K. 1988. *A History of Indian Archaeology: From the Beginning to 1947*. New Delhi: Munsiram Manoharlal.
- Daniel, Glyn, E. 1975. *A Hundred and Fifty Years of Archaeology*. London: Duckworth.
- Dhavalikar, M K. 1984. Towards an Ecological Model for Chalcolithic Cultures of Central and Western India. *Journal of Anthropological Archaeology* 3. Pp- 133-158

- Fagan, B. 1988. *In the beginning: An Introduction to Archaeology*. Glenview: Scott, Foresman and company.
 - Flannery, K.V., and J. Marcus 1998 Cognitive Archaeology. In *Reader in Archaeological Theory: Post-Processual and Cognitive Approaches*, edited by D. Whitley, pp. 35–48. Routledge, London.
 - Gardner, A. 2009 Agency. In *Handbook of Archaeological Theories*, edited by R.A. Bentley, H.G. Maschner, and C. Chippindale, pp. 95–108. AltaMira Press, Lanham, MD.
 - Gifford-Gonzalez, Diane. 2011. Just Methodology? A Review of Archaeology's Debts to Michael Schiffer. *Journal of Archaeological Method & Theory* (2011) 18: 299–308.
 - Granet Marcel. 1930. *Chinese Civilization*. Trench Tubner and Co. London
 - Hodder, Ian. 1992. *Theory and Practice in Archaeology*. London: Routledge.
 - Hodder, I. 1995. *Interpreting Archaeology: Finding Meaning in the Past*. New York: Routledge.
 - Hurcombe Linda 2007. Archaeological artefacts as material culture. New York: Routledge
 - Kelly, R.L. 1995. Chapter 3, Foraging and Subsistence. In *The Foraging Spectrum: Diversity in Hunter-Gatherer Lifeways*. Smithsonian Institution Press, Washington, D.C. (pp. 65–110)
 - Lloyd Setan. 1984. *Archaeology of Mesopotamia from Old Stone Age to Persian Conquest*. Thames and Hudson. London
 - McIntosh Jane R. 2008. *Ancient Indus Valley: New Perspectives*. Abc Clio. California.
 - McHenry, Henry M. 2009. Human Evolution in *Evolution: The First Four Billion Years*, edited by M. Ruse and J. Travis. Cambridge, Massachusetts: Harvard University Press. Pp. 256-280
 - Murrey Margaret A. 1949. *Splendor that was Egypt General Survey of Egyptian Culture and Civilization*. Sidwick and Jackson Ltd. London
 - Paddayya, K. 1990. *New Archaeology and Aftermath: View from Outside the Anglo-American World*. Pune: Ravish Publishers
 - Paddayya, K. 2014. *Multiple Approaches to the Study of India's Early Past: Essays in Theoretical Archaeology*. Aryan Books International
 - Renfrew, Colin and Paul Bahn 2006 *Archaeological: Theories and Methods and Practice*. Thames and Hudson. London
 - Schiffer, M.B. 1995. *Behavioral Archaeology: First Principles*. Salt Lake City: University of Utah Press
 - Shanks, M. 2008 Post-Processual Archaeology and After. In *Handbook of Archaeological Theories*, edited by R.A. Bentley, H.G. Maschner, and C. Chippindale, 133-144.
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III. CORE COURSE [CCARM103]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

INTRODUCTION TO MUSEUM AND MUSEOLOGY**Theory: 60 Hours; Tutorial:15 Hours****Unit – 1: Basics of Museum**

- i. Definition of Museum, Origin and Scope of Museum (Aims and Objectives)
- ii. Museology and Museography and other developments, e.g. New Museology (Responsible Factors of its Development), Critical Museology, Inclusive Museology, Heritage Study, Digital Heritage, etc.
- iii. Types and Classification of Museum , Para Museums: Inclusion of Zoo, Botanical Garden, Planetarium, Science Centre, Reserve Forest & Sanctuary
- iv. New types of Museum - Neighborhood museum, Community Museum, Living History Museum, Integral Museum, Eco Museum, Open Air Museum, Heritage Centres, Virtual Museum etc.

Unit – 2: History of Museum

- i. History and Museum movement in India
- ii. History of Museum in global context
- iii. Study of Select Museums in India: (a) National Museum, Delhi (b) Indian Museum, Kolkata (c) Patna Museum, Patna (d) Salar Jung Museum, Hyderabad

Unit – 3: Organization and Functions of Museum

- i. Function of Museums: Collection, Identification, Preservation, Documentation and Interpretation
- ii. Further Functions of Museum: Presentation (Exhibition), Research, Educational Activities.
- iii. Organization Related to Museum: ICOM (International Council Of Museums, Paris), MAI (Museum Association of India)

Unit – 4: Laws governing cultural property:

- i. The Indian Treasure Trove Act, 1878.
- ii. The Ancient Monuments and Archaeological Sites and Remains Act, 1958,
- iii. Antiquity and Art Treasure Act, 1972.
- iv. The Wild Life Protection Act, 1972.
- v. International laws governing cultural heritage, copyright, intellectual properties, etc.
- vi. Museology as a profession- Professional ethics.

Recommended Readings:

- Agrawal, Usha – Museums of India, a brief directory
 - Ambrose, Timothy & Paine, Crispin – Museum Basics
 - Banerjee, N.R. – Museum and Cultural Heritage in India
 - Basu, S & Chakrabarti, M - Museum Norms and Terms, a selective approach
 - Baxi, Smita & Dwivedi, Devendra – Modern Museum
 - Bennett, Tony – The Birth of the Museum
 - Gupta, S.P. & Srivastava, Mohit – Modern Museum Management
 - Hooper- Greenhill, Eilean – Museums & the Shaping of Knowledge
 - ICOM – Statutes and Code of Professional Ethics
 - Markham and Hargreaves – The Museums of India
 - Morley Grace – Museums Today
 - Nigam, M L – Fundamentals of Museology
 - Pandey, Vimlesh. K. – Sangrahalaya Vigyan
 - Sahay, Shiva Swaroop _ Sangrahalaya Ki Or (in Hindi)
 - Sarkar, H – Museums and Protection of Monuments and Antiquities in India
 - Sivaramamurthy, C – A Directory of Museums in India
 - Thompson, John M A, et al (ed.) – Manual of Curatorship
 - UNESCO – Protection of Cultural Property in the event of Armed Conflict
 - Bhatnagar, Anupama. Museum, Museology, and New Museology, Sandeep Prakashan, New Delhi.
-

IV. CORE COURSE [CCARM104]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:***Mid Semester Examination (MSE):***

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto 75%, 1 mark; 75 < Attd. < 80, 2 marks; 80 < Attd. < 85, 3 marks; 85 < Attd. < 90, 4 marks; 90 < Attd., 5 marks).

MUSEUM MANAGEMENT, ADMINISTRATION AND BUDGETING**Theory: 60 Hours; Tutorial: 15 Hours****Unit – 1: Museum Management**

- i. Management: Meaning, Definitions, Nature
- ii. Purposes of Museum Management
- iii. Function of Management: Planning: Types of Plans, Planning Process, Policies, Procedures, Rules

Unit – 2: Organization and Direction

- i. Organizing: Types of Organizational Structures, Hierarchy, Duties and Responsibility, Role of Management Boards and Committees etc.
- ii. Directing: Meaning, Importance and Functions;
- iii. Issue of Leadership, Controlling Meaning, Importance, Purpose and Process

Unit – 3: Administration and Finance

- i. Staffing: Recruitment, Job Descriptions, Work Conditions, Performance Appraisal, Motivation, Training etc.
- ii. Funding: Sources and Process and terms of Accepting Grants, Donations and Sponsorship.
- iii. Accounting and Financial control, Audit.

Unit – 4: Budget and Marketing

- i. Budget: Meaning and Importance; Types of Budgets, Setting Financial Goals, Evaluating Financial Performance
- ii. Marketing: Meaning, Definitions and Functions, Role of Marketing in Museums,
- iii. Market Segmentation and Targeting, Consumer Behavior and Buying Process, Dimensions of Market

Recommended Readings:

- Ambrose, Timothy & Paine, Crispin – Museum Basics
- Bhattacharya, S.N. – Museum Management, New Bengal Press, Kolkata.2006.
- Dwivedi, V.P. & Pant, G.N. – Museums and Museology: New Horizon (Edited)
- Edson, Gary & Dean, David – The Handbook for Museums
- Mclean, Fiona – Marketing the Museum
- Moore, Kevin (ed.) – Museum Management
- Moore, Kevin (ed.) – Management in Museums
- Nigam, M L – Fundamentals of Museology
- Pandey, Vimlesh. K. – Sangrahalaya Vigyan
- Thompson, John M A, et al (ed.) – Manual of Curatorship
- UNESCO – Organisation of Museums, Practical Advice

SEMESTER II

4 Papers**Total 100 x 4 = 400 Marks****I. CORE COURSE [CCARM201]:**

(Credits: Theory-05)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100**Pass Marks (MSE:17 + ESE:28)=45*****Instruction to Question Setter:******Mid Semester Examination (MSE):***

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

COLLECTION MANAGEMENT**Theory: 60 Hours; Tutorial:15 Hours****Unit – 1 History and Modes of Collection:**

- i. Acquisition: History of collection and Ethics of collection.
- ii. Modes of acquisition: Gift/bequeath, excavation, exploration, expedition, loan, exchange, purchase, confiscation, and fabrication.
- iii. Art purchase committee.
- iv. Replication/duplication, forgery, export/import, auction.

Unit - 2 Registration & Documentation:

- i. Accessioning & deaccessioning: Numbering, Marking.
- ii. Identification, classification, dating, search of bibliographical reference.
- iii. Cataloguing and Indexing.
- iv. Photo documentation, Computerized documentation, digital cataloguing, Problems in documentation, e.g., fabricated exhibits, plastic art, oral history (nonmaterial culture/ intangible heritage), etc.

Unit – 3: Storage & Security:

- i. Planning of collection storage, Visual storage, security & safety, storage system, specific storage condition for different types of collection.
- ii. Management of Security Personnel, Internal Procedures Protection from fire, Electronic system.
- iii. Movement, Transportation of collection: Packaging; Material, Methods, etc. and Transshipment; modes methods.

Unit – 4: Modern Security

- i. Modern security system: metal detector, LCD camera, etc.
- ii. Risk transfer of the storage materials: Insurance, Indemnity
- iii. Ancillary museum techniques: Photography of museum objects, moulding and casting and taxidermy preparation of cabinet specimen.

Recommended Readings:

- Agrawal, O.P. – Security in Museums (Edited)
 - Ambrose, Timothy & Paine, Crispin – Museum Basics
 - Dudley, Dorothy, et al – Museum Registration Methods
 - Dwivedi, V.P. & Pant, G.N. – Museums and Museology: New Horizon (Edited)
 - Edson, Gary & Dean, David – The Handbook for Museums
 - Fahy, Anne (ed.) – Collections Management
 - Fenneley – Museum, Archive & Library Security
 - Hunter, Eric J – Computerized Cataloguing
 - ICOM – Museum Security and Protection: A Hand Book for Cultural Heritage Institutions
 - Knell, Simon (ed.) – Care of Collections
 - Light, F B, Roberts, D A, Stewarts, J D – Museum Documentation System
 - Liston, David (ed.) – Museum Security and Protection
 - Pandey, Vimlesh. K. – Sangrahalaya Vigyan
 - Pearce, Susan M (ed.) – Interpreting Objects and Collections
 - Pearce, Susan M – On Collecting
 - Roy Chowdhury, Anil – Art Museum Documentation and Practical Handling
 - Sarasan, L & Neuner, A M – Museum Collection and Computers
 - Thompson, John M A, et al (ed.) – Manual of Curatorship
 - Tillotson, Robert G – Museum Security
 - UNESCO – Field Manual for Museums
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II. CORE COURSE [CCARM202]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100 Pass Marks (MSE:17 + ESE:28)=45**Instruction to Question Setter:****Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

PREHISTORY AND PROTOHISTORY OF SOUTH ASIA**Theory: 60 Hours; Tutorial:15 Hours****Unit 1.**

- i. Prehistory: Subject matter, scope and aims.
- ii. The Quaternary period, timescale and paleoclimate. Quaternary environments in India: Peninsular India; East coast of Peninsular India; Saurashtra; Rajasthan; Kashmir and other intermontane basins; the Indo-Gangetic plains; Chotanagpur plateau.
- iii. Introduction to Prehistoric technology and typology—methods of studying stone tools.
- iv. Lower Paleolithic cultures—chronology, ecological context, assemblage, association with fauna, distribution of sites, regional studies—recent research on technology, Large Flake Acheulian--understanding of the settlement pattern in the light of recent research in hunter gatherer studies.

Unit 2

- i. Middle and Upper Paleolithic cultures in India—chronology, ecological context, assemblage, association with fauna, distribution of sites, regional studies-- understanding of the settlement pattern in the light of recent research in hunter gatherer studies—recent research in microlithic industries, revision of chronology and implications.
- ii. Mesolithic cultures in India –chronology, ecological context, assemblage, association with fauna, distribution of sites, regional studies-- understanding of the settlement pattern in the light of recent research in hunter gatherer studies.
- iii. Rock art in India
- iv. Transition from hunting-gathering to food production in the Vindhyas and Ganga valley.

Unit 3

- i. Pre/Early Harappan Cultures: a. Development of Chalcolithic cultures at Mehrgarh and surrounding region. Early Harappan Cultures at Kulli, Nal, Amri, Kot Diji, Hakra, Ravi, Sothi,
- ii. Harappan Culture: Origin and development of the Harappan Civilization, Geographical distribution, extent and settlement patterns, Town planning and architecture ,

- iii. Trade, economy, technology and art, Harappan script- recent views, Socio political and religious organization,
- iv. Decline: various theories, causes and consequences,
- v. Late Harappan phase geographical distribution and salient features.

Unit 4

- i. Regional Chalcolithic Traditions (Central India, Rajasthan and Gangetic Doab),
- ii. Ahar-banas culture - distribution, architecture, characteristic features, Ganeshwar and Jodhpura :- distribution and material culture.
- iii. Central Indian Chalcolithic Cultures Kayatha, Malwa - distribution and characteristic, Major sites
- iv. OCP and Copper Hoards :- distribution and cultural tradition
- v. Deccan Chalcolithic, Savalda, late Harrapan, Jorwe, distribution and major sites. Origin and decline of the Deccan Chalcolithic cultures.
- vi. Chalcolithic cultures of the Ganga valley; Middle and lower Ganga valley. Vindhyan and Kaimur Chalcolithic, Neolithic-Chalcolithic cultures in Bihar and West Bengal. Major sites. Neolithic-Chalcolithic cultures of North-east and Odisha.

Recommended Readings:

- Chakravarty, K. K., and R. G. Bednarik. 1997. Indian Rock Art in Global Context. Delhi: Motilal Banarasi Das & IGRMS.
- Clark, J.D. and Sharma, G.R. (Eds.) Palaeoenvironment and Prehistory in the Middle Son Valley, Madhya Pradesh, North Central India. Allahabad: Abinash Prakashan.
- Cooper, Z. M. 1997. Prehistory of the Chitrakot Falls, Central India. Pune: Ravish Publishers.
- Dennell, R.W. 2009. Palaeolithic Settlement of Asia. Cambridge: Cambridge University Press.
- Dennell, R. 2011. An Earlier Acheulian Arrival in South Asia, *Science*, 25 March: 1532-1533.
- Deraniyagala, S.U. 1992. The Prehistory of Sri Lanka. An Ecological Perspective. Sri Lanka: Memoir Volume Part I, II, III, Commissioner of Archaeology, Government of Sri Lanka.
- Gaillard, C., M. Singh, and R. K.K. 2008. Technological analysis of the Acheulian assemblage from Atbarapur in the Siwalik Range (Hoshiarpur district, Punjab). *Man and Environment* 33:1-14.
- Gaillard, C., S. Mishra, M. Singh, S. G. Deo, and R. Abbas. 2009. Lower and Early Middle Pleistocene Acheulian in the Indian Sub-Continent. *Quaternary International*.
- Henke, W., T. Hardt, and I. Tattersall. Editors. 2006. Handbook of Paleoanthropology 3 Vols: Springer.
- Inizan, Marie-Louise, Reduron-Ballinger, M., Roche, Helene and Tixier, Jacques 1997.
- Terminology of Knapped Stone. Nanterre: CREP.
- James, H.A.V. and M.D. Petraglia 2005. Modern Human Origins and the Evolution of Behavior in the Later Pleistocene Record of South Asia, *Current Anthropology* 46:S3-S27.
- Mellars, Paul, Kevin C. Gori, Martin Carr, Pedro A. Soares and Martin B. Richards, 2013. Genetic and archaeological perspectives on the initial modern human colonization of southern Asia, *Proceedings of the National Academy of Sciences of the United States of America*, doi: 0.1073/pnas.1306043110.
- Mishra, S. 2007. The Indian Lower Palaeolithic. *Bulletin of the Deccan College Postgraduate and Research Institute* 66-67:47-94.
- Mishra S. 2008. The Lower Palaeolithic: A Review of Recent Findings. *Man and Environment* 33:14-29.
- Mishra, S., C. Gaillard, S. G. Deo, M. Singh, R. Abbas, and N. Agrawal. 2010. Large Flake Acheulian in India: Implications for understanding lower Pleistocene human dispersals. *Quaternary International*.
- Mishra S, Chauhan N, Singhvi AK (2013) Continuity of Microblade Technology in the Indian Subcontinent Since 45 ka: Implications for the Dispersal of Modern Humans. *PLoS ONE* 8(7): e69280. doi:10.1371/journal.pone.0069280
- Misra, V. D. 1997. Lower and Middle Palaeolithic Cultures of Northern Vindhyas, in

- Indian Prehistory. Edited by V. D. Misra and J. N. Pal, pp. 61-74. Allahabad Department of Ancient History, Culture and Archaeology, University of Allahabad.
- Misra V.D. 2005. Mesolithic Cultures in the Middle Ganga Valley, in *River Valley Cultures of India*. Edited by K. K. Chakravarty and G. L. Badam, pp. 39-43. New Delhi: Aryan books International.
- Misra, V.N.1985a. The Acheulian Succession at Bhimbetka, Central India, in *Recent Advances in Indo-Pacific Prehistory*. Edited by V. N. Misra and P. Bellwood, pp. 35-48. New Delhi: Oxford - IBH.
- Misra, V.N. 1985b. Microlithic Industries in India, in *Recent Advances in Indo-Pacific Prehistory*. Edited by V. N. Misra and P. Bellwood, pp. 111-120. New Delhi: Oxford and IBH
- Misra, V.N. 1987. Middle Pleistocene Adaptations in India, in *Pleistocene Old World: Regional Perspectives*. Edited by O. Soffer, pp. 99-119. New York: Plenum Press.
- Misra V.N., 1989. Stone Age India: an Ecological Perspective, *Man and Environment* 14:17-64.
- Misra, V.N. 2001b. Prehistoric Colonization of India. *J. Indian Academy of Sciences (Biosci.)* 26:491-531.
- Misra, V. N., and Y. Mathpal. 1979. Rock Art of Bhimbetka Region, Central India. *Man and Environment* 3:27-33.
- Murty, M.L.K. 1979. Recent research on the Upper Palaeolithic Phase in India, *Journal of Field Archaeology* 6 (3): 301-320.
- Neumayer, E. 2010. *Rock Art of India*. Oxford and New Delhi: Oxford University Press.
- Paddayya, K. 1982. *The Acheulian Culture of Hunsgi Valley (Peninsular India) : a Settlement System Perspective*. Pune: Deccan College.
- Paddayya, K. 2007. *The Acheulean of Peninsular India with Special Reference to the Hunsgi and Baichbal Valleys of the Lower Deccan in The Evolution and History of Human Populations in South Asia*. Edited by M. Petraglia and B. Allchin, pp. 97-119. Netherlands: Springer.
- Paddayya, K., R.Jhaldiyal and M.D. Petraglia. 1999-2000. The Significance of the Acheulian Site of Isampur, Karnataka, in the Lower Palaeolithic of India, *Puratattva* 30, pp.1-10.
- Pal, J. N. Mesolithic settlements in the Ganga Plain. *Man and Environment* 19 (1-2): 91-101
- Pal, J. N. 2002. The Middle Palaeolithic Culture of South Asia, in *Indian Archaeology in Retrospect Prehistory Archaeology of South Asia Vol. I*. Edited by S. Settar and R. Korisettar, pp. 67-83. Delhi: Indian Council of Historical Research and Manohar.
- Pant, P.C.and V. Jayaswal.1991. *Paisra : The Stone Age Settlement of Bihar*. Delhi: Agam Kala Prakashan.
- Pappu, R. S. 2001. *Acheulian Culture in Peninsular India: an Ecological Perspective*. New Delhi: D.K. Printworld.
- Pappu S, Y.Gunnell, M.Taieb and A.Kumar 2004. Preliminary report on excavations at the Palaeolithic site of Attirampakkam, Tamil Nadu (1999-2004), *Man and Environment* 29(2):1-17.
- Pappu Shanti, Yanni Gunnell, Kumar Akhilesh, Régis Braucher, Maurice Taieb, François Demory, Nicolas Thouveny. 2011. Early Pleistocene Presence of Acheulian Hominins in South India. *Science*, Vol.331, pp. 1596-1599.
- Raju, D.R. 1988. *Stone Age Hunter-Gatherers: An Ethnoarchaeology of Cuddapah Region, South-East India*. Pune: Ravish Publishers.
- Sankalia, H.D. 1974. *The Prehistory and Protohistory of India and Pakistan*. Pune: Deccan College Postgraduate and Research Institute.
- Shipton, C.B.K., Petraglia, M.D. and K. Paddayya 2009. Stone Tool Experiments and Reduction methods at the Acheulean site of Isampur Quarry, India, *Antiquity* 83:769-785.
- Agrawal, D.P. 1982. *Archaeology of India*. Copenhagen: Scandinavian Institute of Asian Studies.
- Agrawal, D.P. 2000. *Ancient Metal Technology and Archaeology of South Asia (A PanAsian Perspective)*, Aryan Books International, New Delhi
- Agrawal, D.P. and D.K. Chakrabarti (eds.). 1979. *Essays in Indian Protohistory*. New Delhi: D.K Publishers.
- Allchin, F.R. and B. Allchin 1993. *The Birth of Civilization in India*. revised ed. New Delhi:Penguin Books.
- Allchin, Bridget and Raymond Allchin 1982. *Rise of Civilization in India and Pakistan*.Cambridge: Cambridge University Press.
- Datta Asok. *The Black and Red Ware Culture of West Bengal*.
- Deo, S.B. 1985. The Megaliths: Their culture, ecology, economy and technology, in *Recent Advances in Indian Archaeology* (S.B. Deo and K. Paddayya eds.), Deccan College, Pune.
- Dhavalikar, M.K. 1990. *First Farmers of the Deccan*, Pune: Ravish Publishers.
- Possehl, G.L. 1979 (ed.). 1979. *Ancient Cities of the Indus*. New Delhi: Vikas Publishing House.

- Possehl, G.L. (ed.). 1993. Harappan Civilization A Recent Perspective. New Delhi: Oxford and IBH Publishing Co.
 - Possehl, G. 1999. The Indus Age. New Delhi: Oxford.
 - Possehl G.L. 2002 Indus Civilization: a Contemporary Perspective, New Delhi, Vistaar Publication.
 - Roy, T.N. 1983. The Ganges Civilization: A Critical Study of the PGW and NBPW Periods of Ganga Plains of India. New Delhi: Ramanand Vidya Bhavan.
 - Sankalia, H.D. 1974. Pre and Protohistory of India and Pakistan. Pune: Deccan College.
 - Shinde, Vasant. 1994. The Deccan Chalcolithic:A Recent Perspective, Man and Environment, XIX (1-2) : 169 178.
 - Shinde, Vasant. 1998. Early Farming Community in the Central Tapi Basin (Study of Settlement and Subsistence Patterns), Munshiram Manoharlal Publishers, New Delhi.
 - Tripathi, Vibha. 1976. The Painted Grey Ware: An Iron Age Culture of Northern India. Delhi: Concept. 11
 - Tripathy, Vibha. 2001. Age of Iron in South Asia: Legacy and Tradition, Aryan Books International, New Delhi.
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III. CORE COURSE [CCARM203]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

METHODS AND HISTORY OF ARCHAEOLOGY**Theory: 60 Hours; Tutorial: 15 Hours****Unit 1; On Field:**

- i. Excavation Techniques: Stratigraphy, 3D Recording, Trench Layout, Section Drawing (L/P/T)
- ii. Structure Drawing, Elevation and Plan, Pottery Drawing, Stone Tool Drawing (L/P/T)
- iii. Object Photography, Ceramic Analyses (L/P/T)
- iv. Total Station (L/P/T)
- v. Antiquity Registration and Report writing

Unit 2: In House:

- i. Development of Field Archaeology in India
- ii. Exploration Techniques and Geo-physical Methods of Survey
- iii. Legends
- iv. 3-D recording and contextual approach
- v. Methods of Dating – Typology, Stratigraphy, Dendochronology, Paleontology, Carbon-14, Accelerator Mass Spectrometry Technique (AMS), Thermoluminescence.

Unit 3: History of Archaeology before Independence.

- i. Development of Indian Archaeology up to 1922 with special reference to contributions of eminent archaeologists.
- ii. Indian Archaeology up to 1947 with special reference to –
- iii. Cunningham, Buchanan and Beglar.

Unit 4: History of Archaeology after Independence

- i. Indian Archaeology after Independence
- ii. Major Excavated Sites
- iii. Eminent archaeologist

Recommended Readings:

- Atkinson, R.J.C. 1953. Field Archaeology. London: Longmans.
- Barker, P. 1982. Techniques of Archaeological Excavation. London: Batsford.
- Crawford, O.G.S. 1953. Archaeology in the Field. London: Phoenix.
- Dancey, W.S. 1985. Archaeological Field Methods: An Introduction. New Delhi: Surjeet Publications.
- Harris, E.C. 1979. Principles of Archaeological Stratigraphy. London: Academic Press.
- Schiffer, M.B. 1991. *Archaeological Method and Theory*, *Journal of Field Archaeology* 18(4): 523-526
- Schiffer, M.B. 1972. Archaeological context and systemic context. *American Antiquity* 37(2): 156-165
- Rajan, K. 2002. Archaeology: Principles and Methods. Thanjavur: Manoo Pathippakam,

IV. CORE COURSE [CCARM204]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100 Pass Marks (MSE:17 + ESE:28)=45***Instruction to Question Setter:******Mid Semester Examination (MSE):***

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

NEW MUSEUM TRENDS AND PUBLIC RELATION**Theory: 60 Hours; Tutorial: 15 Hours****Unit-1: New Museum Trends:**

- i. Development of New Concept: New Museum Movement, International Workshops and Conferences.
- ii. Concept of Ecomuseology, Functions of Eco-Museums
- iii. Concept of New museology

Unit-2: New Museology:

- i. New Museology – A Fresh Approach
- ii. New Museology and the Traditional Museums
- iii. New Museology for India and its relevance and Potentials

Unit- 3: Public Relation & Information Technology

- i. Museum and medium of Public Relation: Mass – media relations, Advertisement,
- ii. Briefing for Print and Electronic media.
- iii. Museum publication: cards, folders, monographs, bulletins, guidebooks, catalogues, statutes, annual reports, mission/ vision statements, forward plans, etc.
- iv. Corporate Relations – Sponsorship, Heritage, Museums and Tourism, Museum Information Service, Information Management.
- v. Computer Application in Museum: Website, Multimedia, software etc.

Unit – 4: Museum Facilities & Public Relation

- i. Outdoor Museum Facilities: Access to the museum, parking facilities, Public
- ii. Transportation, Information for visitors (Printed), Guided Tours, Audio –Visual Aids,
- iii. Language Consideration etc.
- iv. Indoor Museum Facilities: Reception, Museum Shop, Sales Counter, Plaster Casts,
- v. Auditorium, Lecture room, Music Theatre.
- vi. Comfort of Visitors: Seats, Coffee Shops, Restaurants, Facilities for Challenged Visitors
- vii. Visitor's Organization: Membership Organization, Museum Societies, Friends of Museums, Museum Club, Professional Organizations like ICOM, MAI, Docent Service etc.

Recommended Readings:

- Ambrose, Timothy & Paine, Crispin – Museum Basics
 - Bedekar, V.H. – New Museology for India
 - Bhatnagar, Anupama – Museum, Museology and New Museology
 - Burdhan, A. – Rediscovering Indian Museology and Conservation
 - Dwivedi, V.P. & Pant, G.N. – Museums and Museology: New Horizon (Edited)
 - Fondation de France & ICOM – Museums Without Barriers
 - Ganeshan, R. – Bhartiya Sangrahalaya Evam Jansampark (in Hindi)
 - Hooper-Greenhill, Eilean (ed) – Museum, Media, Message
 - Hooper-Greenhill, Eilean (ed) – Museums and their Visitors
 - Kumar, J – Mass Communication in India
 - Orna, Elizabeth – Information Handling in Museums
 - Pandey, Vimlesh. K. – Sangrahalaya Vigyan (in Hindi)
 - Ripley, Dillon – The Sacred Grove
 - Sarasan, L & Neuner, A M – Museum Collection and Computers
 - Thompson, John M A, et al (ed.) – Manual of Curatorship
 - Wittlin, Alma S – Museums in Search of a Usable Future
 - Ray, Dhriti, Museum Information Service Its Management and Marketing, Pratibha Prakashan, Delhi.
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SEMESTER III

4Papers**Total 100 x 4 = 400 Marks****I. CORE COURSE [ECARM301]:**

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100**Pass Marks (MSE:17 + ESE:28)=45*****Instruction to Question Setter:******Mid Semester Examination (MSE):***

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

INDIAN PALAEOGRAPHY & EPIGRAPHY AND NUMISMATIC**Theory: 60 Hours; Tutorial:15 Hours****PART-I: INDIAN PALAEOGRAPHY & EPIGRAPHY****Unit I: Palaeography**

- i. Origin and development of Indian scripts – Brahmi and Kharosthi.
- ii. Ashokan Inscription:
- iii. Rock Edicts – II, III, V, VII, XII & XIII
- iv. Pillar Edicts: Lumibini Edicts – II, IV, V, VI & VII
- v. Early Medieval scripts with emphasis on eastern India:
- vi. Junagarh Inscription of Rudradaman.
- vii. Hathigumpha Inscription of Kharvela.

Unit II

- i. Besnagar pillar Inscription.
- ii. Allahabad Pillar Inscription of Samudragupta.
- iii. Mehrauli Iron Pillar Inscription.
- iv. (vi) Udaygiri cave Inscription of Chandragupta – II.

Unit III

- i. Karamdanda Inscription of Kumargupta – I.
- ii. Damodarpur copper plate Inscription of Kumargupta – I.
- iii. Junagarh Inscription of Skandagupta.
- iv. Bhitari stone Pillar Inscription of Skandagupta.
- v. Bankhera copper plate Inscription of Harsha.

Unit IV

- i. Nasik Inscription of Pulumavi –Yr. 19.
- ii. Khalimpur copper plate Inscription of Dharampala.
- iii. Deopara Inscription of Vijyasena.
- iv. Aihole Inscription of Pulakesin – II.
- v. Nanaghat Inscription of queen Naganika.

PART-II: INDIAN NUMISMATIC**Unit I**

- i. Origin and antiquity of Coinage in India.
- ii. Punch - Marked Coins.
- iii. Coins of the Republics and Tribal coins. (Yaudheyas and Malwa)
- iv. Indo – Bactrian coins, Coins of Demetrius and Menander.

Unit II

- i. Coins of Western – Kshatrapa, Nahpana.
- ii. Coins of Satavahana.
- iii. Kushana Coins: (Kujul – Kadphises, Wima – Kadphises & Vasudeva)
- iv. Coins of Kaniska – I, Huviska.

Unit III

- i. Gold Coins of Chandragupta – I.
- ii. Gold Coins of Samudragupta.
- iii. Gold Coins of Chandragupta – II.
- iv. Gold Coins of Kumargupta – I.

Unit IV

- i. Gold Coins of Skandgupta.
- ii. Silver Coins of the Imperial Gupta.
- iii. Bayana Hoard of the Gupta gold Coins.
- iv. Coins of Chandellas.
- v. Coins of Parmars
- vi. Coins of South India

Recommended Readings:

- Allan, J. 1935.Catalogue of Coins of Ancient India.London: British Museum
- Altekar, A.S., 1937.Catalogue of Coins of the Gupta Empire.Varanasi: Numismatic Society of India.
- Bhandarkar, D.R., 1921.Carmichael Lectures on Ancient Indian Numismatics. Calcutta: Calcutta University.
- Bharadwaj, H.C. 1979.Aspects' of Ancient Indian Technology.Delhi: Motilal Banarasidas.
- Chattopadhyaya, Bhaskar 1967.The Age of the Kushanas – A Numismatic Study.Calcutta: Punthi Pustak.
- Dasgupta, K.K. 1974.A Tribal History of Ancient India – A Numismatic Approach.Calcutta: Nababharat Publications.
- Datta, Mala 1990.A Study of the Satavahana coinage.Delhi: Harman Publishing House.
- Handa, Devendra 2007.Tribles Coins of Ancient India.New Delhi: Aryan Books International.
- Gardener, P. 1886.The Coinage of the Greek and Scythic Kings of Bactria and India in British Museum.London: British Museum.
- Gupta, P.L. 1979.(2nd Revised Edition) Coins.New Delhi: National Book Trust.

- Gupta, P.L. 1981. Coins : Source of Indian History. Ahmedabad: B.J. Institute of Learning and Research.
 - Gupta, P.L. and T.R. Hardaker 1985. Ancient Indian Silver Punch-Marked Coins of the Magadha - Maurya Karshapana Series. Nasik: Indian Institute of Research in Numismatic Studies.
 - Gupta, P.L. and Sarojini Kulashreshtha 1993. Kushana Coins and History. New delhi: D.K. 25 Publishers.
 - Jha, A.K. 1998. Observations on the Principles of Typology: A Study of Ancient Indian Coinage, in Ex Moneta: Essays on Numismatics in Honour of Dr. David W. Macdowall 80 (A.K. Jha and Sanjay Garg eds.) Volume I, pp. 33-42. New Delhi: Harman Publishing House.
 - Jha, Amiteshwar and Dilip Rajgor 1994. Studies in the Coinage of Western Kshatrapas. Anjaneri: Indian Institute of Research in Numismatic Studies.
 - Journal of the Numismatic Society of India, Varanasi.
 - Lahiri, A.N. 1965. Corpus of Indo-Greek Coins. Calcutta:
 - Numismatic Digest A Journal Published by Indian Institute of Research in Numismatic Studies, Anjaneri (Nasik).
 - Rajgor, Dilip 2001. Punch-Marked Coins of Early Historic India. California: Reesha Books International.
 - Ray, S.C. 1977. The Stratigraphic Evidence of Coins in Indian Excavations and Some Allied Issues. Varanasi: Numismatic Society of India.
 - Sahni, Birbal 1973. The Technique of Casting Coins in Ancient India. Varanasi: Bharatiya Publishing House.
 - Sarma, I.K. 1980. Coinage of the Satavahana Empire. Delhi: Agam Kala Prakashan.
 - Srivastava, A.K. 1969. Catalogue of Indo-Greek Coins in the State Museum, Lucknow. Lucknow: State Museum.
 - Whitehead, R.B. 1910. Catalogue of Coins in the Punjab Museum, Lahore, Vol. I: Indo-Greek Coins. Oxford: Clarendon Press.
 - Buhler, Georg. 2004. *Indian Palaeography*. Delhi (reprint).
 - Dani, Ahmed Hasan. 1963. *Indian Palaeography*. Delhi.
 - Parpola, Asko. 1994. *Deciphering the Indus Script*. Cambridge.
 - Salomon, Richard (1998). *Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit and the Other Indo-Aryan Languages*. New York.
 - Sander, Lore 2007. Confusion of Terms and Terms of Confusion in Indian Palaeography. *Expanding and Merging Horizons: Contributions to South Asian and Cross-Cultural Studies in Commemoration of Wilhelm Halbfass*, ed. by Karin Preisendanz. Wien, pp. 121-139.
 - Sircar, D.C. 1965. *Indian Epigraphy*. Delhi.
 - Agarwal, Jagannath 1986. *Researches in Indian Epigraphy and Numismatics*. Delhi.
 - Asher, Frederick M. and G.S. Gai (eds.), *Indian Epigraphy: Its Bearing on Indian Art*, pp. 3-6. New Delhi.
 - Bhardarkar D.R. 1936. *Inscriptions of Asoka*. Calcutta.
 - Majumdar, R.C. (ed.). 1954. *History and Culture of the Indian People*, vols. 2,3,4,5. Bombay: Bharatiya Vidya Bhavan.
 - Salomon, Richard (1985). 'Calligraphy in Pre-Islamic India', Frederick M. Asher and G.S. Gai (eds.), *Indian Epigraphy: Its Bearing on Indian Art*, pp. 3-6. New Delhi: Oxford University Press and IBH.
 - Salomon, Richard (1998). *Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit and the Other Indo-Aryan Languages*. New York.
 - Sircar, D.C. 1965. *Select Inscriptions bearing on Indian History and Civilisation*, vol. 1. Calcutta.
 - Sircar, D.C. 1970-71. Introduction to Indian Epigraphy and Palaeography. *Journal of Ancient Indian History* 4: 72-136.
 - Sircar, D.C. 1965. *Indian Epigraphy*. Delhi
 - Sircar, D.C. 1983. *Select Inscriptions bearing on Indian History and Civilisation*, vol. 2. Delhi.
 - *Corpus Inscriptionum Indicarum* (volumes suggested)
 - Sinha, Chitta Ranjan Prasad, Prachin Bharatiya Abhilekha and Lipi, 1975, Patna.
 - *Epigraphia Indica* (volumes suggested)
 - *Indian Antiquary* (volumes suggested)
 - *Indian Historical Quarterly* (relevant volumes suggested)
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II. CORE COURSE [CCARM302]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100**Pass Marks (MSE:17 + ESE:28)=45****Instruction to Question Setter:****Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

EARLY INDIAN ICONOGRAPHY**Theory: 60 Hours; Tutorial:15 Hours****Unit 1. Definition and Significance**

- i. Definition and Significance of studying Iconography; sources and terminologies related to the subject.
- ii. Origin and antiquity of image worship in India.
- iii. Role of Ancient Indian Silpa text in the study of Iconography.

Unit 2 BRAHMANICAL ICONOGRAPHY

- i. Development of Iconography of Visnu
- ii. Development of Iconography of Surya; Iconography of North Indian and South Indian varieties, Comparative study between North and South Indian Surya images.
- iii. Development of Iconography of Siva; Saumya aspects of Siva: Anugrahamurtis of Siva, Samhara aspects of Siva, Alingana murtis of Siva (Uma Mahesvara), Nataraja, Worship of phallic forms.
- iv. Development of Iconography of Goddesses; Mahisasuramardini, Saptamatrikas, Lakshmi and Saraswati.
- v. Miscellaneous; Ganapati, Brahma, Navagrahas, Ashtadikpalas, Vidhyadharas, Gandharvas, Kinnaras

Unit 3. BUDDHIST ICONOGRAPHY

- i. Origin and development of Buddhist imagery
- ii. Transcendent Buddhas in Text and Iconography
- iii. Bodhisattvas: Concept and symbolism, emergence and development of Bodhisattva images, Avalokiteshvara, Vajrapani, Maitreya, Manjushri.
- iv. Female Buddhist deities: Origin and development, Tara, Prajnaparamita,
- v. Bhrkuti, Marici, Hariti.
- vi. Miscellaneous: Aparajita, Samvara, Jambhala.

Unit 4; JAIN ICONOGRAPHY

- i. Origin and development of Jain images.
- ii. Jaina Tirthankaras with special reference to Parsvanath, Mahavir
- iii. Miscellaneous: Ambika, Saraswati, Chakeshwari, Padmavati, Kubera.

Recommended Readings:

- Agrawala, P.K.1994.Studies in Indian Iconography.Jaipur: Publication Scheme.
 - Groningen: Egbert Forsten.1989.Buddhist Iconography.New Delhi: Tibet House.
 - Banerjee, J.N.1974.Development of Hindu Iconography.New Delhi: Munshiram Manoharlal.
 - Bhattacharya, A.K.2010.Historical Development of Jaina Iconography (A comprehensive study),Delhi: Bharatiya Kala Prakashan.
 - Bhattacharya, B. 1958.Indian Buddhist Iconography.Calcutta: .L.Mukhopadhyaya.
 - Champaklakshmi, R.1981.Vaishnava Iconography in the Tamil Country.Delhi: Orient Longman.
 - Desai, Kalpana 1973.Iconography of Vishnu.New Delhi: Abhinav Publications.
 - Gopinath Rao, T.A. 1985.(2nd ed.) Elements of Hindu Iconography. Varanasi: Motilal Banarassidas.
 - Gupte, R.S. 1971.Iconography of Hindus, Buddhists and Jains.Bombay: D.B. Taraporewala Sons and Co.
 - Huntington, Susan 1984.The Pala-Sena School of Sculpture.Leiden: E. J. Brill.
 - Kim, Inchang.1997.The Future Buddha Maitreya: An Iconological Study.New Delhi: D. K.Print World.
 - Krishnan, Y.1996.The Buddha image: Its origin and Development.New Delhi: Munshiram Manoharlal Pvt. Ltd.
 - Liebert, Gosta 1985,Iconographic Dictionary of the Indian Religions: Hinduism, Buddhism and Jainism.Delhi: Sri Satguru Publications.
 - Lokesh, Chandra 1987.Buddhist Iconography 2 vols.New Delhi: Aditya Prakashan.
 - Mani, V.R.1995.Saptamatrikas in Indian Religion and Art.New Delhi: Mittal Publications.
 - Mishra, Rajani 1989.Brahma-Worship, Tradition and Iconography.Delhi: Kanishka Publication House.
 - Nagar, Shanti Lal 1988.Mahishasurmardini in Indian Art.New Delhi: Aditya Prakashan.
 - Panikkar, Shivaji. K.1997.Saptamatraka Worship and Sculptures, An Iconological Interpretations of Conflicts.New Delhi: D.K.Printworld.
 - Parimoo, Ratan 1982.Life of Buddha in Indian Sculpture (Ashta-Maha-Pratiharyan): An Iconological Analysis.New Delhi: Kanak Publications.
 - Ramachandra Rao 1988-91.Pratima Kosa- Encyclopedia of Indian Iconography 6 vols. Bangalore: Kalpataru Research Academy.
 - Sahai, Bhagwant 2006. Recent Researches in Indian Art and Iconography. Missouri: Kaveri Prakashan.
 - Sivrammurti, C.1961.Indian Sculpture.New Delhi: Allied Publishers Pvt. Ltd.
 - Sivaramamurty, C. 1963.South Indian Bronzes.New Delhi: Lalit Kala Academy.
 - Soundara Rajan, K. V.1982.India's Religious Art.New Delhi: Cosmo Publication.
 - Sthapati V. Ganapati and Sthapati 2006.Indian Sculpture and Iconography. Ahmadabad: Mapin Publishing.
 - Zimmer, Heinrich 2010.Myths and Symbols in Indian Art and Civilization,New Delhi: Motilal Banarassidas.
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III. CORE COURSE [CCARM303]:

(Credits: Theory-03, Practical-02)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

MUSEUM CARE & CONSERVATION**Theory: 60 Hours; Tutorial:15Hours****Unit – 1: Museum Conservation**

- i. Understanding Conservation, Preservation & Restoration, Ethics of Conservation.
- ii. Nature and Types of Material of Collections, Causes of Deterioration of Collection.
- iii. Care and Handling: Principles of Housekeeping, Rules of Handling, Various Types of Collections, Packing and Transportation

Unit – 2: Museum Environment

- i. Control of Climate : Temperature, Relative Humidity and Light
- ii. Control of Atmosphere: Air, Pollution, Acidity, Particular Matters etc
- iii. Control of Biological Agencies: Plants and Animals Symptoms, Mildew Insects Damaging Effects and Preservatives Measures.

Unit – 3: Deterioration, Conservation & Care of Organic Materials

- i. Wood, Bamboo, Reed, Palm-leaf, Birch-bark, etc.
- ii. Leather, Parchment, Vellum, Hair, Feather, etc.
- iii. Paper, Papyrus Prints, Drawings, Manuscripts, Photograph, etc.
- iv. Textiles
- v. Ivory, Bone, Horn & Antler

Unit – 4: Deterioration, Conservation & Care of Inorganic and Siliceous Materials

- i. Metals: Iron, Copper, Gold, Silver, Lead, Tin, Alloys, Pewter.
- ii. Clay & Terracotta, Porcelain, Glass, Faience, Enamel, Stone.
- iii. Geological Specimens, Minerals, Rocks & Fossils.

Unit – 5: Deterioration, Conservation & Care of Composite Materials

- i. Ethnographical Objects, Scientific Instruments, etc.
- ii. Building, Monuments, Murals, etc.

Recommended Readings:

- Agrawal, O.P. – Preservation of Art Objects and Library Materials
- Agrawal, O.P. – Kala Vastuon evam Pustakaliya Samagriyon ka Parirakshan (in Hindi)
- Ambrose, Timothy & Paine, Crispin – Museum Basics
- Banerjee, N.R. – Museum and Cultural Heritage in India
- Dwivedi, V.P. & Pant, G.N. – Museums and Museology: New Horizon (Edited)
- Pandey, Vimlesh. K. – Sangrahalaya Vigyan (in Hindi)
- Sarkar, H – Museums and Protection of Monuments and Antiquities in India
- Singh, R.S. – Conservation of Documents in Libraries, Archives and Museums
- Thomson Garry – The Museum Environment
- UNESCO – Field Manual for Museums

IV. CORE COURSE [CCARM304]: (Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

MUSEUM ARCHITECTURE**Theory: 60 Hours; Tutorial: 15 Hours****Unit – 1: Concept and Planning**

- i. Concept and development of museum architectural types.
- ii. Planning a new building: selection of site, architectural considerations, like space, climate, need, fund, selection of architect, construction, supervision, completion, etc.
- iii. Adaptation of old building.

Unit – 2: Landscaping and Interiors

- i. Requirements for different types of museums.
- ii. Gardening & landscaping.
- iii. Museum building interior: space utilization & management, colour, lighting, circulation, ventilation, air-conditioning and Installation of machinery & equipment.

Unit – 3: Infrastructure

- i. Infrastructure:
- ii. Museum Store, material management, stacking/racking, access, climate control, etc., for reserve collection and other materials. Exhibition hall, Museum library, Restaurant & cafeteria.
- iii. Museum workshop, Museum laboratory, Conference hall, projection hall, auditorium,

Unit – 4: Museum Access and Security

- i. Museum Access: Different categories of disables, rights of disables, concerned national
- ii. & International legal provisions, steps to make barrier free environment, access audit.
- iii. **Safety & Security:** of building, collection, staff and public; physical, mechanical against various destructive factors, e.g., accident, theft, fire, cyclone, flood, earthquake, armed conflict, terrorist act, vandalism, etc.,
- iv. Prevention of Destruction and disaster management.

Recommended Readings:

- Agrawal, O.P. (ed) – Museum Architecture, Proceedings of the all India museums conference
- Agrawal, O.P. – Security in Museums (Edited)
- Ambrose, Timothy & Paine, Crispin – Museum Basics
- Boylan, Patrick J (ed.) – Museums 2000
- Coleman, L V – Museum Buildings
- Darragh Joan & Snyder J.S. – Museum Design: Planning and Building for Art
- Dwivedi, V.P. & Pant, G.N. – Museums and Museology: New Horizon (Edited)
- Lord Gail Dextor & Barry Lord – The Manual of Museum Planning (Edited)

SEMESTER IV**4 Papers****Total 100 x 4 = 400 Marks****I. GENERIC/DISCIPLINE CENTRIC ELECTIVE [ECARM401]:**

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto 75%, 1 mark; 75 < Attd. < 80, 2 marks; 80 < Attd. < 85, 3 marks; 85 < Attd. < 90, 4 marks; 90 < Attd., 5 marks).

EXHIBITION & EDUCATION**Theory: 60 Hours; Tutorial: 15 Hours****Unit – 1: Display & Exhibition:**

- i. Purpose and principles.
- ii. Display furniture and fixtures: cases, pedestals, stands, panels, mounts, structures, Lighting fixtures, and Circulation: random, suggestive, directional.
- iii. Labels: types, material, size, language, position, execution, evaluation, Visual & verbal aids: charts, graphs/graphics, photographs, film/video, CD ROM/DVD, etc.
- iv. Types of exhibitions: object-oriented/concept-oriented, thematic, contextual, chronological, geographical, integral, comparative, natural, synthetic, didactic, special, permanent/ temporary/ travelling/ circulating/ mobile, etc.

Unit – 2: Exhibition Designing:

- i. Principles of exhibition designing; Principles of exhibit arrangement & use of space; Objective (individual exhibits & overall exhibition); and Conceptualization, goal/target, theme development, sequencing & story development, reference research.
- ii. Curator Designer Educator interaction; division of labour; Planning & designing exhibits in a particular setting: layout drawing, mock-up (scale model), colour scheme, accessibility, visitor circulation, evaluation (front-end) & correction.
- iii. Designing individual exhibits, working sheets/drawings, collection/fabrication, and arrangement/mounting/installation Animation techniques: optical, mechanical, electrical, electromechanical, electronic, computerized, robotics, Interaction/participation modes, Principles of exhibit lighting, Audio-visual aids, Text: content, size, fonts, background, placement, and storyline, Documentation, Scheduling, Evaluation: front-end, formative & summative; correction.

- iv. Principles & problems of organizing exhibitions in different museum set-up: Art, History, Archaeology, Anthropology, Ethnic Art, Zoology, Botany, Geology, Geography, Marine Science, Fishery, Forestry, Biography/ Personalia, Literary, Philatelic, Science & Technology, etc.

Unit – 3: Principles of museum education:

- i. Definition of education.
- ii. Museum as a learning resource; Museum education Vs. formal education; Museum as centres for special education; Elements of educational & behavioral psychology (cognitive psychology).
- iii. Theories of learning & visual perception.
- iv. Educational programmes: Pre-visit orientation, guiding, popular lectures, demonstration lectures, discovery rooms, film shows, audio-video shows, quiz programmes, declamation, essay competition, science kit, art kit, sit & draw, hobby activities, creativity centres, production of educational resource material, Teachers' training programme, etc.

Unit – 4: Extension/ out-reach programmers:

- i. School loan service.
- ii. Travelling exhibition, mobile exhibition, museo-bus: design, organisation, scheduling.
- iii. Special programmes at the school, science or art fairs, seminars, walk-through trip to cultural/ natural heritage sites for children, aged, handicapped, under privileged, etc.
- iv. Museum recreation & games, discovery/ activity rooms.

Recommended Readings:

- Ambrose, Timothy & Paine, Crispin – Museum Basics
 - Banerjee, N.R. – Museum and Cultural Heritage in India
 - Dwivedi, V.P. & Pant, G.N. – Museums and Museology: New Horizon (Edited)
 - Baxi, Smita & Dwivedi, Devendra – Modern Museum
 - Brawne, Michael – Museum Interior
 - Coleman, L V – Museum Buildings
 - Dale, Edger – Audio-Visual Methods in Teaching
 - Dean, David – Museum Exhibition, Theory & Practice
 - Devenish, David C – Museum Display Labels
 - Edson, Gary & Dean, David – The Handbook for Museums
 - Evans, Desmond W – People and Communication
 - Fondation de France & ICOM – Museums Without Barriers
 - Fopp, Michael A – Managing Museums and Galleries
 - Hooper-Greenhill, Eilean (ed) – Museum and Gallery Education
 - Miles, R S, et al (ed.) – The Design of Educational Exhibits
 - Nigam, M L – Fundamentals of Museology
 - North, F J – Museum Labels
 - Pandey, Vimlesh. K. – Sangrahalaya Vigyan (in Hindi)
 - Robinson, E S – The Behaviour of the Museum Visitor and others
 - Sixsmith, Mike – Touring Exhibitions
 - Thompson, John M A, et al (ed.) – Manual of Curatorship
 - UNESCO – Temporary & Travelling Exhibition
 - UNESCO – Museums, imaginations and education
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II. GENERIC/DISCIPLINE CENTRIC ELECTIVE [ECARM402]:

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100 Pass Marks (MSE:17 + ESE:28)=45**Instruction to Question Setter:****Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

INDIAN ARCHITECTURE**Theory: 60 Hours; Tutorial:15 Hours****Unit 1: Indian Architecture:**

- i. Indian Architecture : Secular and Religious Architecture.
- ii. Secular –Early Historic cities—Characteristics of cities and town planning – study of selected early historic city sites.(Rajgir, Mathura, Sravasti)
- iii. Religious architecture: Buddhist architecture- rock cut & structural:
- iv. Definition, growth, development, architectural pattern.
- v. Evolution of Buddhist Stupa architecture from Sixth Century BC. to sixth Century A.D. (Vaisali, Piprawa Sarnath, Sanchi, Taxila, Amaravati, Nagarjunakonda, Dhameka)
- vi. Chaityas: Evolution of Chaityas from 3rd Century B.C.to 7th -8th Century A.D.)
- vii. Viharas –(Monasteries) Evolution of Monasteries from 2nd/ 1st Century B.C. to 9th -10th c. A.D.
- ix. Definition , development, structural pattern.

Unit 2: Temples

- i. Evolution of Temple Architecture (Nagara, Vesara, and Dravida)
- ii. Sanchi Temple No. 17, Bhumara, Nachnakuthara, Tigwa, Dasavatar temple, Bhitargaon, Durga temple (Aihole), Chertala, Maniyar Math, Bodhgaya.
- iii. Regional Schools- Orissa, Central India, Gujrat.
- iv. DravidaTemples-a) Pallava Temples (Early Rock cut Cave temples,Mahavalipuram, Kanchipuram) b) Chola Temples: Brihadiswara temple and others
- v. Vesara Temples- Karnataka- Western Chalukyas & Hoysalas
- vi. Rock cut architecture of Deccan (Kalachuri & early western Chalukya phases)
- vii. Rock cut architecture of western Deccan—Ellora (Rashtrakuta phase)

Unit 3: Indian Art: Sculptural Art and Painting

- i. Harappan Art- Stone & metal sculptures, terracotta figurines, glyptic and lapidary art. (Characteristics)
- ii. Mauryan Art- Mauryan Pillars- animal figures, alleged Mauryan Sculptures (characteristic features & foreign influences)
- iii. Sunga Art-- Early Indian Narrative Art with special reference to Bharhut, Bodhgaya- Sanchi.
- iv. Mathura School of Art, Gandhara School of Art, Sarnath School of sculpture and Amaravati School of Art.

Unit: 4 Gupta and Post-Gupta Art

- i. Gupta classical art- a) Salient features , major centres- Mathura , Sarnath, regional development—Madhyadesha, eastern India
- ii. Paintings – Ajanta murals
- iii. Early medieval Art, North India, Eastern India- Paharpur- Pala-Sena art, Odisha with special
- iv. reference to Konarak, Central India- Khajuraho , Deccan & South India— Aihole, Badami,
- v. Mahabalipuram, Kanchipuram, Ellora, Elephanta, Chola bronzes.
- vi. Terracotta Art of India—from pre- Harappan to the Gupta period

Recommended Readings:

- Dehejia, Vidya , *Early Stone Temples of Orissa*, Vikas, New Delhi, 1979.
- Desai, Devangana, *Khajuraho*, Oxford University Press, 2000.
- Deva , Krishna, *Temples of North India*, National Book Trust, 2002.
- Fergusson, James, *History of Indian and Eastern Architecture*, 2 vols. 1876.
- Grover, Satish, *The Architecture of India: Buddhist and Hindu*, Vikas, 1980.
- Ghosh, A. ed. *Jain Art And Architecture*, 3 vols. New Delhi , Bharatiya Jnanpith, 1974-75.
- Hardy, Adam, ed. *The Temple in South Asia* , London, British Academy 2007.
- Gandotra, Ananya, *Temple Architecture- Analysis of Plains ,Sections, and roof form*, 3 vols. Gurgaon, Surbhi Publication,2011.
- Khare Ajay, *Temple Architecture of Eastern India*, Gougaon, Surbhi Publications, 2005.
- Kramrisch, Stella, *The Hindu Temple*, 2 vols. Calcutta, London University Press, 1933.
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III. CORE COURSE [CCARM403]: (Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
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Instruction to Question Setter:**Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

End Semester Examination (ESE):

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

Note: There may be subdivisions in each question asked in Theory Examinations

(Attendance Upto75%, 1mark; 75<Attd.<80, 2 marks; 80<Attd.<85, 3 marks; 85<Attd.<90, 4 marks; 90<Attd, 5 marks).

SCOPE OF ARCHAEOLOGY AND MUSEUMS IN JHARKHAND**Theory: 60 Hours; Tutorial: 15 Hours****Unit 1 Development in the field of Archaeology and Museology**

- i. Historiography of the Development of Archaeology and Museums in Jharkhand.
- ii. Present Trend in the Jharkhand in the light of new research in Archaeology and Museology
- iii. Further scope in Archaeology and Museology
- iv. Limitation and problem

Unit 2 Prehistory and Protohistory

- i. Palaeolithic culture (Lower, Middle and Upper)
- ii. Mesolithic culture
- iii. Neolithic culture
- iv. Copper Hoards and Megalithic culture
- v. Rock Arts
- vi. Excavated Sites and their Importance: Lotapahar, Saradkel, Guhiapal, Benisagar, Ichagarh, Itkhori, Khukharagarh, Kabrakala.

Unit 3 Art and Architecture of Jharkhand

- i. Stone sculpture of Jharkhand; Ichagarh, Itkhori, Saraikela, Benisagar, Ashram area and Sakarigali Ghat (Rajmahal, Sahebganj)
- ii. Bronze Sculpture of Jharkhand: Alluara (Dhanbad) and Other Places.
- iii. Temples of Jharkhand: Haradih, Khagpatra, Benisagar, Deorhi, Deogarh, Tanginath Temple, Maluti Temple complex, Jagannath temple of Jharkhand, Temple and Forts of Palamu and Rajmahal.
- iv. Inscriptions of Jharkhand, Dudhpani rock Inscription, Karmaditya Copper Plate inscription, Chandil stone Inscription, Kuluha hill stone Inscription of Vishnu Gupta.

Unit 4 Museums of Jharkhand

- i. State Museum, Ranchi
- ii. Museum of Tribal Research Institute, Ranchi
- iii. Coins Museum, Jamshedpur
- iv. Other Museums in Jharkhand
- v. Further prospect in the field of Museum in Jharkhand and its limitation

Recommended Readings:

- Sinha, C.P. and Arabinda Singha Roy. 2018. *Prehistory and Protohistory of Jharkhand*. Delhi: B.R. Publishing Corporation.
 - Dwivedi, U.C., Amitabha Kumar, Mamta Minz and Arabinda Singha Roy. *Archaeology of Itkhori*. Ranchi. 2018.
 - Singha Roy, Arabinda, Geeta Ojha, Subhajit Sen, Avinash Giri. An Account on the Late Medieval Archaeology of Rāmgarh (Jharkhand) in U.C. Dwivedi Felicitation Volume. Delhi. 2018.
 - Sinha, C.P. and Arabinda Singha Roy. An Introduction to the Prehistory and Protohistory of Jharkhand. Srijit. Vol. VI. No.1 and 2. Ranchi. 2018
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 - Narayan, Basudev. *Prehistory and Protohistory of Bihar*, K.P. Jayaswal Research Institute.
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 - Dani, A.H. *Prehistory and Protohistory of Eastern India*. Calcutta. 1960.
 - Patil, D.R. *The Antiquarian Remains in Bihar*. Patna 1963.
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 - Bhengra, Dilbar. *Archaeology of Chotanagpur Division (Jharkhand)*, Agamkala Prakashan. Delhi.
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IV. CORE COURSE (PROJECT) [PRARM404]: (Credits: 05)**Marks : 100 (ESE: 3Hrs)=100****Pass Marks =45*****Guidelines to Examiners for******End Semester Examination (ESE):****Overall project dissertation may be evaluated under the following heads:*

- *Motivation for the choice of topic*
- *Project dissertation design*
- *Methodology and Content depth*
- *Results and Discussion*
- *Future Scope & References*
- *Participation in Internship programme with reputed organization*
- *Application of Research technique in Data collection*
- *Report Presentation*
- *Presentation style*
- *Viva-voce*

PROJECT WORK

Each student has to submit two copies of the dissertation work duly forwarded by the HOD of Department concerned. The forwarded copies will be submitted in the Department of History, Ranchi University, for evaluation (Seven days before the seminar).

The paper will consist of

- (a) Field work/Lab work related to the project.
- (b) Preparation of dissertation based on the work undertaken.
- (c) Presentation of project work in the seminar on the assigned topic in the P.G. Department of History, Ranchi University, Ranchi & open viva there on.

NB:- Students will select topics for the project work in consultation with a teacher of the department. The Seminar will be held in the Department of History Ranchi University, Ranchi.

DISTRIBUTION OF CREDITS FOR P.G. PROGRAMME (SEMESTER-WISE) FOR POSTGRADUATE 'P.G. Voc./M.Sc./M.A./M.Com' PROGRAMME

Table B-1: Semester wise distribution of 80 Credits for Subjects with Practical Papers.

Semester	CC	FC	GE/DC	AE	Total credits
Semester I	15	05			20
Semester II	20				20
Semester III	15			05	20
Semester IV	5		15		20
	55	05	15	05	80

Table B-1: Semester wise distribution of 80 Credits for Subjects with Non-Practical Papers.

Semester	CC	FC	GE/DC	AE	Total credits
Semester I	15	05			20
Semester II	20				20
Semester III	15			05	20
Semester IV	10		10		20
	60	05	10	05	80

CC=Core Course; FC=Foundation Compulsory/Elective Course; GE=Generic Elective; SE=Skill Enhancement Course; DC=Discipline Centric Elective

**SAMPLE CALCULATION FOR SGPA & CGPA FOR POSTGRADUATE 'P.G.
Voc./M.Sc./M.A./M.Com' PROGRAMME**

Table B-2: Sample calculation for SGPA for M.Sc./M.A./M.Com Programme

Course	Credit	Grade Letter	Grade Point	Credit Point (Credit X Grade)	SGPA (Credit Point/Credit)
Semester I					
FC	05	A	8	40	
C-1	05	B+	7	35	
C-2	05	B	6	30	
C-3/CP	05	B	6	30	
Total	20			135	6.60 (135/20)
Semester II					
C-4	05	B	6	30	
C-5	05	C	5	25	
C-6	05	B+	7	35	
C-7/CP	05	A+	9	45	
Total	20			135	6.60 (135/20)
Semester III					
EC-1	05	A+	9	45	
C-8	05	O	10	50	
C-9	05	A	8	40	
C-10/CP	05	A	8	40	
Total	20			175	8.75 (175/20)
Semester IV					
EC-2/EC-2	05	B	6	30	
EC-3/EC-3	05	A+	9	45	
C11/EP	05	B	6	30	
Project	05	A+	9	45	
Total	20			150	7.50 (150/20)
CGPA					
Grand Total	80			595	7.44 (595/80)

Table B-3: Sample calculation for CGPA for P.G. Vocational M.Sc./M.A./M.Com Programme

Semester I	Semester II	Semester III	Semester IV
Credit:20; SGPA:6.60	Credit:20; SGPA: 6.60	Credit:20; SGPA: 8.75	Credit:20; SGPA: 7.50

Thus CGPA= (20x6.60+20x6.60+20x8.75+20x7.50) /80=7.36

DISTRIBUTION OF MARKS FOR EXAMINATIONS AND FORMAT OF QUESTION PAPERS

Distribution of Marks for Mid Semester Evaluation:**Table No. 15:** Distribution of marks of Theory Examinations of Mid Semester

Topic	Code	Full Marks	Pass Marks	Time	Group-A (Very short answer type Compulsory Questions) No. of Questions x Marks = F.M.	Group-B (Descriptive Questions) No. of Questions x Marks = F.M.	Total No. of Questions to Set	
							Group A	Group B
Mid Sem*	T30*	30 (20 +5 +5)	17	1 Hr	5 x1 =5	3 (out of 5) x5 =15	05	5

***There shall be 20 marks theory examination for mid sem, 05 marks for attendance/ regular interactions & 05 marks for seminar/ assignment/ term paper given by faculty concerned in classrooms.**

Distribution of Marks for End Semester Theory Examinations:**Table No. 16:** Marks distribution of Theory Examinations of End Semester

Topic	Code	Full Marks	Pass Marks	Time	Group-A [#] (Very short answer type Compulsory Questions) No. of Questions x Marks = F.M.	Group-B (Descriptive Questions) No. of Questions x Marks = F.M.	Total No. of Questions to Set	
							Group A [#]	Group B
End Sem	T50	50	--	3 Hrs	2 x5 =10	2 (out of 3) x20 =40	2	3
	T70	70	28	3 Hrs	Q.No.1 (5x1) + 1x5 =10	4 (out of 6) x15 =60	2	6

Question No.1 in Group-A carries very short answer type questions of 1 Mark

Note : There may be subdivisions in each question asked in Theory Examinations.

FORMAT OF QUESTION PAPER FOR MID SEM EXAMINATION

20 MARKS



Ranchi University, Ranchi

Mid Sem No.

Exam Year

Subject/ Code

F.M. =20

Time=1Hr.

General Instructions:

समान्य निर्देश :

- i. **Group A** carries very short answer type compulsory questions.
(खंड 'A' में अत्यंत लघु उत्तरीय अनिवार्य प्रश्न हैं।)
- ii. **Answer 3 out of 5** subjective/ descriptive questions given in **Group B**.
(खंड 'B' के पाँच में से किन्हीं तीन विषयनिष्ठ/ वर्णनात्मक प्रश्नों के उत्तर दें।)
- iii. Answer in your own words as far as practicable.
(यथासंभव अपने शब्दों में उत्तर दें।)
- iv. Answer all sub parts of a question at one place.
(एक प्रश्न के सभी भागों के उत्तर एक साथ लिखें।)
- v. Numbers in right indicate full marks of the question.
(पूर्णांक दायीं ओर लिखे गये हैं।)

Group A

- | | | |
|----|-------|---------|
| 1. | ..... | [5x1=5] |
| 2. | ..... |  |
| 3. | ..... |  |
| 4. | ..... |  |
| 5. | ..... |  |

Group B

- | | | |
|-----|-------|-----|
| 6. | ..... | [5] |
| 7. | ..... | [5] |
| 8. | ..... | [5] |
| 9. | ..... | [5] |
| 10. | ..... | [5] |

Note: There may be subdivisions in each question asked in Theory Examination.

FORMAT OF QUESTION PAPER FOR END SEM EXAMINATION

70 MARKS



Ranchi University, Ranchi

End Sem No.

Exam Year

Subject/ Code

F.M. =70

P.M.=28

Time=3Hrs.

General Instructions:

- i. **Group A** carries very short answer type **compulsory** questions.
- ii. **Answer 4 out of 6** subjective/ descriptive questions given in **Group B**.
(खंड 'B' के छः में से किन्हीं चार विषयनिष्ठ/ वर्णनात्मक प्रश्नों के उत्तर दें।)
- iii. Answer in your own words as far as practicable.
(यथासंभव अपने शब्दों में उत्तर दें।)
- iv. Answer all sub parts of a question at one place.
(एक प्रश्न के सभी भागों के उत्तर एक साथ लिखें।)
- v. Numbers in right indicate full marks of the question.
(पूर्णांक दायीं ओर लिखे गये हैं।)

Group A

- | | | |
|----|-----------|---------|
| 1. | | [5x1=5] |
| | i. | |
| | ii. | |
| | iii. | |
| | iv. | |
| | v. | |
| 2. | ..... | [5] |

Group B

- | | | |
|----|-------|------|
| 3. | ..... | [15] |
| 4. | ..... | [15] |
| 5. | ..... | [15] |
| 6. | ..... | [15] |
| 7. | ..... | [15] |
| 8. | ..... | [15] |

Note: There may be subdivisions in each question asked in Theory Examination.