

CONTENTS

1. WEAVING AND POTTERY (CERAMIC) TECHNOLOGY	1.1 - 1.30
1.1 Introduction – History of Clothing.....	1.1
1.2 Weaving Industry (or) Weaving Technology	1.5
1.3 Pottery (Ceramic) Technology	1.11
1.4 Black Red Vessels	1.18
1.5 Scratch (Graffiti) Symbols on Objects.....	1.21
1.6 Review Questions	1.28
2. DESIGN AND CONSTRUCTION TECHNOLOGY	2.1 - 2.62
2.1 Building Design in Sangam Period	2.1
2.2 Constructions during the Sangam period	2.5
2.3 Construction Materials during the Sangam Period	2.8
2.4 Design of the Household Materials in the Sangam period..	2.10
2.5 Hero Stone (or) Stones to denote courage.....	2.16
2.6 Platform Structure in Silappathikaram	2.21
2.7 Mamallapuram Sculptures and Temples (PaLLava's period temples)	2.24
2.8 Great Temples and other places of worship of the Chola period	2.32
2.9 Temples of Nayak Period.....	2.43
2.10 Understanding Model Structures	2.47
2.11 Chettinad Houses	2.53
2.12 Indo - Saracenic architecture in the British Period.....	2.58
2.13 Review Questions	2.61
3. MANUFACTURING TECHNOLOGY	3.1 - 3.50
3.1 Ship Building Technology.....	3.1
3.2 Metallurgy	3.6
3.3 Iron Industry.....	3.10
3.4 Smelting Iron, Steel	3.13
3.5 Steel - Definition	3.17
3.6 Copper and Gold Coins and Historical Evidences.....	3.19
3.7 Printing of Coins	3.27
3.8 Beads Making Factories	3.29
3.9 Gem Stones (Carmelian Ornaments)	3.33
3.10 Glass Beads	3.34
3.11 Flint Beads (or) Terracotta Beads	3.36

3.12	Shell Beads.....	3.37
3.13	Bone Fragments (or) Bone Beats.....	3.39
3.14	Archaeology.....	3.42
3.15	Types of Beads in Silapathikaram	3.48
3.16	Review Questions.....	3.49

4 AGRICULTURE AND IRRIGATION TECHNOLOGY 4.1 - 4.60

4.1	Introduction	4.1
4.2	Dams	4.1
4.3	Lake	4.3
4.4	Pond	4.8
4.5	Mathagu (Sluices).....	4.13
4.6	Kumizhithoombu of Chola Period	4.15
4.7	Animal Care	4.17
4.8	Wells Designed for Livestock.....	4.21
4.9	Agriculture.....	4.24
4.10	Agricultural Related Activities	4.26
4.11	Tools and Techniques required for Agriculture	4.29
4.12	Maritime Knowledge (or) Knowledge of Tamil on Ocean....	4.36
4.13	Fishery	4.39
4.14	Pearl	4.44
4.15	Pearl Hunting	4.49
4.16	Ancient Knowledge about Oceans.....	4.51
4.17	Intellectual Community	4.54
4.18	Review Questions.....	4.58

5 SCIENTIFIC TAMIL AND TAMIL COMPUTING 5.1 - 5.28

5.1	Development of Scientific Tamil.....	5.1
5.2	Computer Tamil (or) Development of Computer Tamil.....	5.4
5.3	Digitalization of Tamil Books	5.9
5.4	Tamil Software Development.....	5.12
5.5	Tamil Internet Education Corporation	5.15
5.6	Tamil Digital Library (or) Tamil Electronic Library.....	5.17
5.7	Online Tamil Dictionaries	5.21
5.8	Word Corpus Plan (Sorkuvai)	5.25
5.9	Review Questions.....	5.277
	Part-A Questions and Answers	A.1-E.4
	A.U (CEG) & A.U Solved Question Papers.....	SQP.1-SQP5