

AGRO102 - Introductory Agriculture -AGRICULTURAL HERITAGE OF INDIA (1+0)

1. Agriculture Heritage in India
2. DEVELOPMENT OF HUMAN CULTURE AND BEGINNING OF AGRICULTURE
3. INDUS CIVILIZATION (3250 BC - 2750 BC)
4. Status of farmers in the society during Indus, Vedic, Buddhist, Mauryan, Gupta and Sangam periods
5. KAUTILYA'S ARTHA-SASTRA, AGRICULTURE, ANIMAL HUSBANDRY, COMMODITY TRADE etc. – FEATURES OF VILLAGE
6. AGRICULTURE IN THE SANGAM LITERATURE OF TAMIL NADU
7. Astronomy - Prediction Of Monsoon Rains; Parashara, Varamihira, Panchanga in comparison to modern methods
8. ANCIENT SOIL CLASSIFICATION AND MAINTENANCE OF SOIL PRODUCTIVITY
9. Water harvesting and irrigation developments during different periods – water storage – distribution and relevance to modern agriculture.
10. PLANT PROTECTION IN ANCIENT PERIOD – ITK – HARVESTING – THRESHING AND STORAGE
11. CROPS – INDIGENOUS AND INTRODUCED - HISTORY OF RICE, SUGARCANE AND COTTON
12. GARDENING IN ANCIENT AND MEDIEVAL PERIOD – ARBORI HORTICULTURE - ORCHARDS
13. TRADITIONAL TECHNICAL KNOWLEDGE
14. VEGETABLE FARMING – FLORICULTURE – PERFUMES and MEDICINAL PLANTS Vegetable farming
15. Role of cattle and other domestic animals- management of cattle for draught and milk – indigenous breeds
16. Description of Indian civilization and agriculture by travelers from China, Europe and USA
17. OUR JOURNEY IN AGRICULTURE AND VISION FOR THE FUTURE

REFERENCES

1. Nene, Y.L. and Choudhary, S.L. 2002. Agricultural heritage of India. Asian Agri – History foundation, Secundrabad.
2. Randhawa, M.S., 1980 – 86. A history of Agriculture in India. Vol. I, II, III and IV. Indian council of Agricultural Research, New Delhi.
3. Raychaudhuri, S.P. 1964. Agriculture in ancient India. Indian council of Agricultural Research, New Delhi.
4. Razia Akbar (Tr) 2000. Muskha Dar Fauni – Falahat (The art of agriculture). Agri – History Bulletin No. 3. Asian Agri. History foundation, Secundrabad.
5. Sadhale Nalini (Tr) 1996. Surapala's Vrikshayurveda (The science of plant life). Asian. History Bulletin No. 1. Asian – Agri – History foundation, Secundrabad.
6. Sadhale, Nalini Tr) 1999. Krishi – Parashara (Agriculture by Parashara). Agri- History Bulletin No. 2. Asian Agri – History foundation, Secundrabad, India

7. Ayachit, S.M. (Tr) 2002. Kashyapiya Krishisukti (A treatise on Agriculture by Kashyapa). Agri – History Billetin No. 4. Asian – Agri History foundation, Secundrabad

8. Choudhary, S.L., Sharma, G.S. and Nene, Y.L. 2000. Ancient and medievel history of Indian agriculture and its relevance to sustainable agriculture in the 21st century. Proceedings of the summem school held from 28 May to 17 June 1999. Rajasthan College of Agriculture, Udaipur, India.